COURSE LISTING

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CAAS 501	Africa and the African Diaspora	3 Credits
	earch methods and basic and current concepts of culture and value systems as appl	ied to Africa and
	tures of the Americas. Various cultures of the Diaspora are viewed as exemplars.	
CAAS 535	African and African American Folklore	3 Credits
	cipal characteristics of African American folklore in its social, historical, and aesthetic	
CAAS 550	African and African American Music	3 Credits
	ipal characteristics of African-American music with pertinent references to music on t	
CAAS 560	African American Art	3 Credits
	etic tradition and the social context of African American art.	
CAAS 564	African Art	3 Credits
-	ic forms and styles of traditional African art and a look at colonial and post-indepen	dence styles and
trends.		
CAAS 601	Directed Study	2-3 Credits
	research based on a corpus of works suited to the research needs and interests	
	d a designated faculty member plan the syllabus for the course. Course may be repe	
CAAS 602	Directed Study	2-3 Credits
	research based on a corpus of works suited to the research needs and interests	
	d a designated faculty member plan the syllabus for the course. Course may be repe	
CAAS 630	Seminar in Selected African-Americans	3 Credits
	f historical importance in the shaping of the African-American destiny or culture se	uch as Frederick
<u> </u>	Bois, and Alain Locke are studied in detail. Seminar in Comparative Black Literature	2 Credite
CAAS 640		3 Credits
	problems comparing and contrasting traditions in Francophone, Afro-Hispanic and <i>A</i> <i>isites</i> : A reading knowledge of French; consent of the instructor: Reading knowl	
		ledge of spanish
CAAS 652	ss-referenced with CFRE 640, CSPA 640, CENG 524). Capstone I	3 Credits
	ces students to concepts and approaches related to research in African-American S	
	sive readings of classical and contemporary texts, which reflect the complexities of <i>I</i>	
	for learning the process of writing a thesis. Upon completion of the course, studen	
	rking bibliography and an introductory chapter.	to will subline all
CAAS 653	Capstone II	3 Credits
	e in intensive readings of contemporary texts, which reflect the complexities of Africa	
	ngs assigned in Capstone I and II serve as the basis for the completion of the project	
	oduction, review of the literature and bibliography.	
CAAS 710	Pro-Seminar in Africana Studies	3 Credits
	ices students to the discipline of Africana Studies by providing an overview of the	
	coretical approaches impacting the black lived experience. The course serves as ar	
	tudies with and is required of all students in the concentrations of African Amer	
Africana Women's S		
CAAS 804	Dissertation Research	3 Credits
Direct advisement	through individual and tutorial sessions with faculty in the completion of the the	sis and research
	tudents are expected to attend the tutorial sessions. Prerequisite: Completion of	
examination and ap	proval of department chair. Course may be repeated for credit.	
CAAS 805	Thesis Research	3 Credits
Direct advisement	through individual and tutorial sessions with faculty in the completion of the the	sis and research
	udents are expected to attend the tutorial sessions. Prerequisite: Completion of	Comprehensive
examination and ap	proval of department chair. Course may be repeated for credit.	
CAWS 500	Political Theory	3 Credits
	is of the major schools of thoughts in the field of political theory from the classic	
	asis on theories about women and politics. Particular attention is given to Third-Wor	ld theories about
women in politics. (
CAWS 501	Feminist Theory	3 Credits
	zes the various theoretical, strategic and political positions which characterize the li	
	ated issues. Special emphasis is given to the study of black feminist theory. (See also (
CAWS 502	Africana Feminist Theory	3 Credits
	on and analysis of the historical and current theories about the role and status of w	vomen of African
descent. Open to ac	lvanced undergraduates with permission of instructor.	

CAWS 503	Feminist Methodology	3 Credits
	resources, techniques, and approaches to women's studies are reviewed and assessed	
CAWS 504	Comparative Third World Women	3 Credits
	e social, political, psychological and economic conditions of African-American, Caribbe	
	oward identifying and comparing similarities and differences among the three groups	
CAWS 505	Women in the Labor Market	3 Credits
	ccupational and economic conditions, constraints, and patterns of female wage earn	
	ban, poor, middle class, and women at various educational levels are discussed.	,
CAWS 506	Women and Development	3 Credits
Emphasis is on the process.	role, priorities and systematic problems associated with female participation in th	e development
CAWS 507	Rural Women	3 Credits
	at the lifestyles, socioeconomic, and political conditions and concerns of rural African	
	men. Prerequisite : CAWS 506.	,
CAWS 508	Urban Women in Africa and the Caribbean	3 Credits
	rsis of the concerns and conditions of African and Caribbean women who live in urbar	
CAWS 509	Africana Women and Public Policy	3 Credits
	olicy issues which impact the status and conditions of Africana women. The degree	
	government policymaking is also examined. Prerequisite : A course in public policy ar	
CAWS 510	Africana Women in International Affairs	3 Credits
	gree and level of Africana women's involvement in foreign policy making, diplo	
	is and organizations. Positions held, career advancement patterns, and issues champ	
	l and analyzed. Prerequisites : CAWS 490 and CAWS 506.	Sioned by these
CAWS 517	Women in Politics Seminar	3 Credits
	activities and problems confronting women participating in the political system. The	
	ary from semester to semester. (See also CPCS 517)	
CAWS 537	The African Novel	3 Credits
	rican novels written in English with attention to their social contexts. (See also CENG	
CAWS 538	Caribbean Women and Work	3 Credits
	es and conditions under which Caribbean women work in the formal and informal eco	
states.	s and conditions under which caribbean women work in the format and informat etc	monnes or them
CAWS 539	Third World Women and Development	3 Credits
	nd role of Third-World women in development are the focus. Governmental policie	
	ell as movement and activities of Third-World women are examined. (See also CPSC 53	
CAWS 540	Caribbean Women Writers	3 Credits
	gs of Caribbean women writers, their topics, perspectives, and motivation for writing.	
591)	,5 of caribbean women writers, then topies, perspectives, and motivation for writing.	
CAWS 542	Seminar on Comparative Politics	3 Credits
	ed students concentrating in Comparative Politics. Focus is on readings and resea	
	in comparative politics. (See also CPSC 542).	i en on selecteu
CAWS 549	Women in Contemporary Africana Fiction	3 Credits
	tatus of women in modern African/African-American fiction including fiction of wom	
		nen throughout
		nen throughout
the African Diaspora	with comparisons to their actual status in these societies. (See also CENG 590).	
the African Diaspora CAWS 591	with comparisons to their actual status in these societies. (See also CENG 590). The Black Aesthetic	3 Credits
the African Diaspora CAWS 591 Analysis of the conce	with comparisons to their actual status in these societies. (See also CENG 590). The Black Aesthetic pt of a black world view and culture, including readings in the Western and African ae	3 Credits
the African Diaspora CAWS 591 Analysis of the conce as black American cr	with comparisons to their actual status in these societies. (See also CENG 590). The Black Aesthetic pt of a black world view and culture, including readings in the Western and African ac itical writings.	3 Credits esthetics as well
the African Diaspora CAWS 591 Analysis of the conce as black American cr CAWS 600	with comparisons to their actual status in these societies. (See also CENG 590). The Black Aesthetic pt of a black world view and culture, including readings in the Western and African ac itical writings. Seminar on Africana Women's Studies	3 Credits esthetics as well 3 Credits
the African Diaspora CAWS 591 Analysis of the conce as black American cr CAWS 600 A team-taught course	with comparisons to their actual status in these societies. (See also CENG 590). The Black Aesthetic pt of a black world view and culture, including readings in the Western and African ac itical writings.	3 Credits esthetics as well 3 Credits
the African Diaspora CAWS 591 Analysis of the conce as black American cr CAWS 600 A team-taught cours Women's Studies.	with comparisons to their actual status in these societies. (See also CENG 590). The Black Aesthetic pt of a black world view and culture, including readings in the Western and African ac itical writings. Seminar on Africana Women's Studies e designed to highlight the history, cultural diversity, contributions, and approact	3 Credits esthetics as well 3 Credits hes to Africana
the African Diaspora CAWS 591 Analysis of the conce as black American cr CAWS 600 A team-taught cours Women's Studies. CAWS 601	with comparisons to their actual status in these societies. (See also CENG 590). The Black Aesthetic pt of a black world view and culture, including readings in the Western and African actical writings. Seminar on Africana Women's Studies te designed to highlight the history, cultural diversity, contributions, and approact Directed Research	3 Credits esthetics as well 3 Credits hes to Africana 3-6 Credits
the African Diaspora CAWS 591 Analysis of the conce as black American cr CAWS 600 A team-taught cours Women's Studies. CAWS 601 Course is designed to	with comparisons to their actual status in these societies. (See also CENG 590). The Black Aesthetic pt of a black world view and culture, including readings in the Western and African activitical writings. Seminar on Africana Women's Studies e designed to highlight the history, cultural diversity, contributions, and approact Directed Research provide students with an opportunity to engage in other learning experiences not av	3 Credits esthetics as well 3 Credits hes to Africana 3-6 Credits railable through
the African Diaspora CAWS 591 Analysis of the conce as black American cr CAWS 600 A team-taught cours Women's Studies. CAWS 601 Course is designed to general course work	with comparisons to their actual status in these societies. (See also CENG 590). The Black Aesthetic pt of a black world view and culture, including readings in the Western and African activitian writings. Seminar on Africana Women's Studies te designed to highlight the history, cultural diversity, contributions, and approace Directed Research provide students with an opportunity to engage in other learning experiences not av Student and a designated faculty member plan the syllabus for the course. May be ta	3 Credits esthetics as well 3 Credits hes to Africana 3-6 Credits railable through
the African Diaspora CAWS 591 Analysis of the conce as black American cr CAWS 600 A team-taught course Women's Studies. CAWS 601 Course is designed to general course work toward completion o	with comparisons to their actual status in these societies. (See also CENG 590). The Black Aesthetic pt of a black world view and culture, including readings in the Western and African actical writings. Seminar on Africana Women's Studies e designed to highlight the history, cultural diversity, contributions, and approace Directed Research provide students with an opportunity to engage in other learning experiences not av Student and a designated faculty member plan the syllabus for the course. May be ta f the program of study. Prior approval of the instructor is required.	3 Credits esthetics as well 3 Credits hes to Africana 3-6 Credits vailable through aken only twice
the African Diaspora CAWS 591 Analysis of the conce as black American cr CAWS 600 A team-taught cours Women's Studies. CAWS 601 Course is designed to general course work toward completion o CAWS 602	with comparisons to their actual status in these societies. (See also CENG 590). The Black Aesthetic pt of a black world view and culture, including readings in the Western and African actical writings. Seminar on Africana Women's Studies e designed to highlight the history, cultural diversity, contributions, and approach Directed Research provide students with an opportunity to engage in other learning experiences not av Student and a designated faculty member plan the syllabus for the course. May be ta f the program of study. Prior approval of the instructor is required. Thesis Research I	3 Credits2 Sthetics as well3 Creditshes to Africana3-6 Creditsrailable throughaken only twice3 Credits
the African Diaspora CAWS 591 Analysis of the conce as black American cr CAWS 600 A team-taught course Women's Studies. CAWS 601 Course is designed to general course work toward completion o CAWS 602 Direct advisement th	with comparisons to their actual status in these societies. (See also CENG 590). The Black Aesthetic pt of a black world view and culture, including readings in the Western and African actical writings. Seminar on Africana Women's Studies e designed to highlight the history, cultural diversity, contributions, and approach Directed Research provide students with an opportunity to engage in other learning experiences not av Student and a designated faculty member plan the syllabus for the course. May be ta f the program of study. Prior approval of the instructor is required. Thesis Research I prough individual and tutorial sessions with faculty in the completion of the thesi	3 Credits esthetics as well 3 Credits hes to Africana 3-6 Credits railable through aken only twice 3 Credits is and research
the African Diaspora CAWS 591 Analysis of the conce as black American cr CAWS 600 A team-taught course Women's Studies. CAWS 601 Course is designed to general course work toward completion o CAWS 602 Direct advisement th writing process. Stu	with comparisons to their actual status in these societies. (See also CENG 590). The Black Aesthetic pt of a black world view and culture, including readings in the Western and African actical writings. Seminar on Africana Women's Studies e designed to highlight the history, cultural diversity, contributions, and approach Directed Research provide students with an opportunity to engage in other learning experiences not av Student and a designated faculty member plan the syllabus for the course. May be ta f the program of study. Prior approval of the instructor is required. Thesis Research I	3 Credits esthetics as well 3 Credits hes to Africana 3-6 Credits railable through aken only twice 3 Credits and research

CAWS 603	Thesis Research II	3 Credits
	through individual and tutorial sessions with faculty in the completion of the thes	
	udents are expected to attend the tutorial sessions. Prerequisite: Completion of	Comprehensive
	proval of department chair.	
CAWS 611	Introduction to Africana Women's Studies	3 Credits
	ned to introduce students to the discipline of Africana Women's Studies by providing intellectual and theoretical approaches utilized in such an academic undertaking.	an overview of
CAWS 615	Race, Sex, and Class	3 Credits
	he causes and consequences of social and economic cleavages based on race, sex, and	
	nese on African peoples generally and women specifically.	r · · ·
CAWS 617	Feminist Criticism	3 Credits
	assessment of historical and contemporary concepts, issues, and concerns from a concerns from	critical, feminist
perspective.		,
CAWS 651	Internship	3-9 Credits
	pervised internships in the United States with community-based organizations, scl	
	and abroad in a women's program or other approved arena. A minimum of 240 h	
	site: Approval of the faculty member supervising the experience, department cha	
representative.	wei repriva of the lacary member supervising the experience, acpartment en	in, una ageney
CAWS 652	Capstone I	3 Credits
	uced to concepts and approaches related to research in Africana Women's Studies	
	readings of classical and contemporary texts which reflect the complexities of A	
	for learning the process of writing a thesis. Upon completion of the course, students	
	king bibliography and an introductory chapter.	, wiii Subline un
CAWS 653	Capstone II	3 Credits
	e in intensive readings of contemporary texts which reflect the complexities of Africana	
	ngs assigned in Capstone I and II serve as the basis for the complexities of Annear	
	oduction, review of the literature and bibliography.	consisting of an
CAWS 802	Dissertation Consultation	1 Credit
	through individual and tutorial sessions with faculty in the completion of the thes	
	tudents are expected to attend the tutorial sessions. Prerequisite: Completion of	comprehensive
CBIO 501	proval of department chair. Course may be repeated for credit. Biology Seminar I	0 Credit
	nce a week during the fall semester to provide a forum to hear research reports from	i faculty, invited
CBIO 502	e candidates. The course is required of all graduate students.	0 Creadit
	Biology Seminar II	0 Credit
	once a week during the spring semester to provide a forum to hear research report	ts from faculty,
	d degree candidates. The course is required of all graduate students.	
CBIO 504	Molecular Genetics	3 Credits
	on prokaryotic, bacteriophage, other viruses, and gene structure, function and regula	
	erization, replication, RNA transcription and translation are presented. The course als	-
	-RNAs, molecular mechanisms, transposition, mutation, repair and recombination in	DNA. (Inree [3]
lecture hours per w		
CBIO 505	Microbial Physiology	3 Credits
	on studies of living processes in prokaryotic cells. Topics of discussion from recent li	
	unction, metabolism and regulatory networks, membrane transport, stress response,	mechanisms of
resistance to antibio	tics and cellular differentiation. (Three [3] lecture hours per week)	1
CBIO 506	Cell Biology	3 Credits
CBIO 506 Cellular structure, b	Cell Biology iosynthesis and function of eukaryotic cells are presented in this course. (Three [3] le	
CBIO 506 Cellular structure, b week)	iosynthesis and function of eukaryotic cells are presented in this course. (Three [3] le	cture hours per
CBIO 506 Cellular structure, b week) CBIO 509	iosynthesis and function of eukaryotic cells are presented in this course. (Three [3] le Methods and Techniques in Biology	cture hours per 3 Credits
CBIO 506 Cellular structure, b week) CBIO 509 This is a laboratory	iosynthesis and function of eukaryotic cells are presented in this course. (Three [3] le Methods and Techniques in Biology course that covers techniques such as absorption and fluorescence spectroscopy, ultr	3 Credits acentrifugation,
CBIO 506 Cellular structure, b week) CBIO 509 This is a laboratory	iosynthesis and function of eukaryotic cells are presented in this course. (Three [3] le Methods and Techniques in Biology	3 Credits acentrifugation,
CBIO 506 Cellular structure, b week) CBIO 509 This is a laboratory	Methods and Techniques in Biology course that covers techniques such as absorption and fluorescence spectroscopy, ultration, electrophoresis, spectrometry, x-ray diffraction, nuclear chemistry and chromat r week)	cture hours per 3 Credits acentrifugation, ography. (Three
CBIO 506 Cellular structure, b week) CBIO 509 This is a laboratory diffusion, sedimenta [3] lecture hours pe CBIO 511 (or	Methods and Techniques in Biology course that covers techniques such as absorption and fluorescence spectroscopy, ultration, electrophoresis, spectrometry, x-ray diffraction, nuclear chemistry and chromate	3 Credits acentrifugation,
CBIO 506 Cellular structure, b week) CBIO 509 This is a laboratory diffusion, sedimenta [3] lecture hours pe CBIO 511 (or CCHE 551)	Methods and Techniques in Biology course that covers techniques such as absorption and fluorescence spectroscopy, ultration, electrophoresis, spectrometry, x-ray diffraction, nuclear chemistry and chromatic rweek)	cture hours per 3 Credits acentrifugation, ography. (Three 3 Credits

CBIO 512 (or CCHE 552)	Biochemistry II	3 Credits
	tion and interaction of metabolic pathways in eukaryotic cells are presented	with emphasis or
	he biological significance of carbohydrates, lipids, proteins, enzymes, nuclei	
	unds. (Three [3] lecture hours per week)	utility and other
CBIO 551	Biostatistics	3 Credits
	d methods as applied to biological research are emphasized. (Three [3] lecture hou	
CBIO 556	Bioinformatics	3 Credits
	n emerging field that comprises the intersection of biology, mathematics, and co	
	and medical research problems. The general objective of the course is to provi	
	verview to the fields of bioinformatics and genomics. Prerequisites: Graduate s	
	551 (biostatistics) or equivalent. Undergraduate students must be junior status, C	
	cs/Statistics (200 level or above) and permission of instructor. (Three [3] lecture h	
CBIO 589	Laboratory in Molecular Genetics	4 Credits
This laboratory cou	rse focuses on recombinant DNA and sequencing methods.	
CBIO 599	Special Topics	1-4 Credits
The course is design	ned to present selected contemporary topics in biology. The course may be repeat	ed for credit whe
topics vary.	r f f f f f f f f f f f f f f f f f f f	
CBIO 631	Advances in Biochemistry	3 Credits
	this course focus on recent literature and discoveries in specific areas of biochemis	
	ee [3] lecture hours per week)	suy. Frerequisites
		3 Credits
CBIO 633	Advances in Molecular Biology	
	e focus on recent literature and discoveries in specific areas of molecular biology. C	
	roup discussions, assignments and formal presentations. <i>Prerequisites</i> : CBIO 50	04, 514. (Three [3
ecture hours per w		
CBIO 635	Advances in Cellular Biology	3 Credits
Topics presented i	n this course focus on recent literature and discoveries in a specific area of	of cellular biolog
Prerequisite: CBIO	506. (Three [3] lecture hours per week)	
CBIO 641	Advances in Molecular Genetics	3 Credits
Topics in this cours	e focus on contemporary literature and new discoveries in molecular genetics. Co	ontent is presente
Topics in this cours through lectures, gr	e focus on contemporary literature and new discoveries in molecular genetics. Co oup discussions, assignments and formal presentations. <i>Prerequisites</i> : CBIO 504	ontent is presented
Topics in this cours through lectures, gr CBIO 506. (Three [3	e focus on contemporary literature and new discoveries in molecular genetics. Co oup discussions, assignments and formal presentations. <i>Prerequisites</i> : CBIO 504] lecture hours per week)	ontent is presented , CBIO 491-492 o
Topics in this cours through lectures, gr	e focus on contemporary literature and new discoveries in molecular genetics. Co oup discussions, assignments and formal presentations. <i>Prerequisites</i> : CBIO 504	ontent is presented
Topics in this cours through lectures, gr CBIO 506. (Three [3 CBIO 801	e focus on contemporary literature and new discoveries in molecular genetics. Co roup discussions, assignments and formal presentations. <i>Prerequisites</i> : CBIO 504] lecture hours per week) Thesis Consultation	ontent is presented , CBIO 491-492 o 1 Credit
Topics in this cours through lectures, gr CBIO 506. (Three [3	e focus on contemporary literature and new discoveries in molecular genetics. Co oup discussions, assignments and formal presentations. <i>Prerequisites</i> : CBIO 504] lecture hours per week)	A CBIO 491-492 o 1 Credit Variable 3-
Topics in this cours through lectures, gr CBIO 506. (Three [3 CBIO 801	e focus on contemporary literature and new discoveries in molecular genetics. Co roup discussions, assignments and formal presentations. <i>Prerequisites</i> : CBIO 504] lecture hours per week) Thesis Consultation	A CBIO 491-492 o 1 Credit Variable 3- 12 Credits
Topics in this cours through lectures, gr CBIO 506. (Three [3 CBIO 801	e focus on contemporary literature and new discoveries in molecular genetics. Co roup discussions, assignments and formal presentations. <i>Prerequisites</i> : CBIO 504] lecture hours per week) Thesis Consultation	A CBIO 491-492 o 1 Credit Variable 3- 12 Credits Variable 3-
Topics in this cours through lectures, gr CBIO 506. (Three [3 CBIO 801 CBIO 871	e focus on contemporary literature and new discoveries in molecular genetics. Co oup discussions, assignments and formal presentations. <i>Prerequisites</i> : CBIO 504] lecture hours per week) Thesis Consultation Research in Molecular Biology	1 Credit Variable 3- 12 Credits Variable 3- 12 Credits Variable 3- 12 Credits
Topics in this cours through lectures, gr CBIO 506. (Three [3 CBIO 801 CBIO 871	e focus on contemporary literature and new discoveries in molecular genetics. Coroup discussions, assignments and formal presentations. <i>Prerequisites</i> : CBIO 504] lecture hours per week) Thesis Consultation Research in Molecular Biology Research in Cellular Biology	1 Credit Variable 3- 12 Credits Variable 3- 12 Credits Variable 3- 12 Credits Variable 3- 12 Credits Variable 3-
Topics in this cours through lectures, gr CBIO 506. (Three [3 CBIO 801 CBIO 871 CBIO 881	e focus on contemporary literature and new discoveries in molecular genetics. Co oup discussions, assignments and formal presentations. <i>Prerequisites</i> : CBIO 504] lecture hours per week) Thesis Consultation Research in Molecular Biology	1 Credit Variable 3- 12 Credits Variable 3- 12 Credits Variable 3- 12 Credits
Topics in this cours through lectures, gr CBIO 506. (Three [3 CBIO 801 CBIO 871 CBIO 881 CBIO 884	e focus on contemporary literature and new discoveries in molecular genetics. Coroup discussions, assignments and formal presentations. <i>Prerequisites</i> : CBIO 504 lecture hours per week) Thesis Consultation Research in Molecular Biology Research in Cellular Biology	A CBIO 491-492 o 1 Credit Variable 3- 12 Credits Variable 3- 12 Credits Variable 3- 12 Credits Variable 3- 12 Credits
Topics in this cours through lectures, gr CBIO 506. (Three [3 CBIO 801 CBIO 871 CBIO 881 CBIO 884 CBIO 991	e focus on contemporary literature and new discoveries in molecular genetics. Coroup discussions, assignments and formal presentations. <i>Prerequisites</i> : CBIO 504 lecture hours per week) Thesis Consultation Research in Molecular Biology Research in Cellular Biology Research in Biochemistry Dissertation Consultation	A CBIO 491-492 o 1 Credit Variable 3- 12 Credits Variable 3- 12 Credits Variable 3- 12 Credits Variable 3- 12 Credits 12 Credits 12 Credits
Topics in this cours through lectures, gr CBIO 506. (Three [3 CBIO 801 CBIO 871 CBIO 881 CBIO 884 CBIO 991 CCHE 508	e focus on contemporary literature and new discoveries in molecular genetics. Co oup discussions, assignments and formal presentations. <i>Prerequisites</i> : CBIO 504 [lecture hours per week] Thesis Consultation Research in Molecular Biology Research in Cellular Biology Research in Biochemistry Dissertation Consultation Graduate-Level Seminar in Chemistry	A CBIO 491-492 o 1 Credit Variable 3- 12 Credits Variable 3- 12 Credits Variable 3- 12 Credits Variable 3- 12 Credits 1 Credit 1 Credit 1 Credit
Topics in this cours through lectures, gr CBIO 506. (Three [3 CBIO 801 CBIO 871 CBIO 881 CBIO 884 CBIO 991 CCHE 508 This is a one-hour le	e focus on contemporary literature and new discoveries in molecular genetics. Co oup discussions, assignments and formal presentations. <i>Prerequisites</i> : CBIO 504 [lecture hours per week] Thesis Consultation Research in Molecular Biology Research in Cellular Biology Research in Biochemistry Dissertation Consultation Graduate-Level Seminar in Chemistry ecture/seminar course. One year (two semesters) of the course generates one hour	A cBlO 491-492 of 1 Credit Variable 3- 12 Credits Variable 3- 12 Credits Variable 3- 12 Credits Variable 3- 12 Credits 1 Credit 1 Credit 1 Credit
Topics in this cours through lectures, gr CBIO 506. (Three [3 CBIO 801 CBIO 871 CBIO 881 CBIO 884 CBIO 991 CCHE 508	e focus on contemporary literature and new discoveries in molecular genetics. Co oup discussions, assignments and formal presentations. <i>Prerequisites</i> : CBIO 504 [lecture hours per week] Thesis Consultation Research in Molecular Biology Research in Cellular Biology Research in Biochemistry Dissertation Consultation Graduate-Level Seminar in Chemistry ecture/seminar course. One year (two semesters) of the course generates one hour	A cBlO 491-492 of 1 Credit Variable 3- 12 Credits Variable 3- 12 Credits Variable 3- 12 Credits Variable 3- 12 Credits 1 Credit 1 Credit 1 Credit
Topics in this cours through lectures, gr CBIO 506. (Three [3 CBIO 801 CBIO 871 CBIO 881 CBIO 884 CBIO 991 CCHE 508 This is a one-hour le	e focus on contemporary literature and new discoveries in molecular genetics. Co oup discussions, assignments and formal presentations. <i>Prerequisites</i> : CBIO 504 [lecture hours per week] Thesis Consultation Research in Molecular Biology Research in Cellular Biology Research in Biochemistry Dissertation Consultation Graduate-Level Seminar in Chemistry ecture/seminar course. One year (two semesters) of the course generates one hour	A cBio 491-492 o 1 Credit Variable 3- 12 Credits Variable 3- 12 Credits Variable 3- 12 Credits Variable 3- 12 Credits 1 Credit 1 Credit 1 Credit
Topics in this cours through lectures, gr CBIO 506. (Three [3 CBIO 801 CBIO 871 CBIO 881 CBIO 884 CBIO 991 CCHE 508 This is a one-hour le of all graduate stude CCHE 511	e focus on contemporary literature and new discoveries in molecular genetics. Co oup discussions, assignments and formal presentations. <i>Prerequisites</i> : CBIO 504 lecture hours per week) Thesis Consultation Research in Molecular Biology Research in Cellular Biology Research in Biochemistry Dissertation Consultation Graduate-Level Seminar in Chemistry ecture/seminar course. One year (two semesters) of the course generates one hour ents. Environmental Chemistry	ontent is presente , CBIO 491-492 o 1 Credit Variable 3- 12 Credits Variable 3- 12 Credits Variable 3- 12 Credits Variable 3- 12 Credits 1 Credit 1 Credit 1 Credit 3 Credits
Topics in this cours through lectures, gr CBIO 506. (Three [3 CBIO 801 CBIO 871 CBIO 881 CBIO 884 CBIO 991 CCHE 508 This is a one-hour le of all graduate stude CCHE 511 An examination of	e focus on contemporary literature and new discoveries in molecular genetics. Co oup discussions, assignments and formal presentations. <i>Prerequisites</i> : CBIO 504 lecture hours per week) Thesis Consultation Research in Molecular Biology Research in Cellular Biology Research in Biochemistry Dissertation Consultation Graduate-Level Seminar in Chemistry ecture/seminar course. One year (two semesters) of the course generates one hour ents. Environmental Chemistry the origins, transport, reactions, effects, ultimate fate of hazardous waste in the	ontent is presente A, CBIO 491-492 of 1 Credit Variable 3- 12 Credits Variable 3- 12 Credits Variable 3- 12 Credits 1 Credit 1 Credit 1 Credit 3 Credits environment. Thi
Topics in this cours through lectures, gr CBIO 506. (Three [3 CBIO 801 CBIO 871 CBIO 881 CBIO 884 CBIO 991 CCHE 508 This is a one-hour le of all graduate stude CCHE 511 An examination of course is designed t	e focus on contemporary literature and new discoveries in molecular genetics. Co oup discussions, assignments and formal presentations. <i>Prerequisites</i> : CBIO 504 lecture hours per week) Thesis Consultation Research in Molecular Biology Research in Cellular Biology Research in Biochemistry Dissertation Consultation Graduate-Level Seminar in Chemistry ecture/seminar course. One year (two semesters) of the course generates one hour ents. Environmental Chemistry the origins, transport, reactions, effects, ultimate fate of hazardous waste in the o develop a working level knowledge of: (1) chemistry fundamentals; and (2) the b	antent is presente bontent is presente cBIO 491-492 of 1 Credit Variable 3- 12 Credits Variable 3- 12 Credits Variable 3- 12 Credits Variable 3- 12 Credits 1 Credit 1 Credit of credit. Required 3 Credits environment. This passic principles an
Topics in this cours through lectures, gr CBIO 506. (Three [3 CBIO 801 CBIO 871 CBIO 881 CBIO 884 CBIO 991 CCHE 508 This is a one-hour le of all graduate stude CCHE 511 An examination of course is designed t concepts of enviro	e focus on contemporary literature and new discoveries in molecular genetics. Co oup discussions, assignments and formal presentations. <i>Prerequisites</i> : CBIO 504 lecture hours per week) Thesis Consultation Research in Molecular Biology Research in Cellular Biology Research in Biochemistry Dissertation Consultation Graduate-Level Seminar in Chemistry ecture/seminar course. One year (two semesters) of the course generates one hour ents. Environmental Chemistry the origins, transport, reactions, effects, ultimate fate of hazardous waste in the o develop a working level knowledge of: (1) chemistry fundamentals; and (2) the bornmental chemistry: including (a) geochemistry; (b) atmospheric chemistry;	antent is presente bontent is presente cBIO 491-492 of 1 Credit Variable 3- 12 Credits Variable 3- 12 Credits Variable 3- 12 Credits Variable 3- 12 Credits 1 Credit 1 Credit of credit. Required 3 Credits environment. This passic principles an
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CCHE 523	Coordination Chemistry	3 Credits
	spectral interpretations, stability considerations, synthetic methods, unusual oxidat	ion states, other
topics of current inte	rest. (Three [3] lecture hours per week)	
CCHE 524	Physical Methods in Inorganic Chemistry	3 Credits
Application of NMR,	IR, UV-VIS, Raman spectroscopy to inorganic chemistry (Three [3] lecture hours per v	
CCHE 531	Mechanistic Organic Chemistry	3 Credits
	ng, resonance, inductive and steric effects and discussion reactive intermediat	
	nination reactions a mechanistic point of view. (Three [3] lecture hours per week)	
CCHE 532	Organic Synthesis	3 Credits
	pomatic, heterocyclic and alicyclic compounds with emphasis on mechanisms. This c	
students the disconn	nection approach for the synthesis of complex organic molecules. The course will -carbon bond formation and apply these methods to prepare target molecules. (T	present modern
CCHE 533	Physical Organic Chemistry	3 Credits
	lculations, frontier molecular orbital theory and organic reaction mechanisms, ste	
	ntaining centers, planes and axes of chirality. (Three [3] lecture hours per week)	reochennistry of
CCHE 541	Thermodynamics	3 Credits
	nt of basic theories and methods in chemical thermodynamics and equilibria	
	reactions, real solutions, surface effects, and some applications to macromolecules. (1	
CCHE 542	Quantum Chemistry	3 Credits
	al principles of wave mechanics, with mathematical discussion of the hydrogen atom	
oscillator. Introduct	ion to matrix mechanics, angular momentum operators, and applications to s	mall molecules.
Variational and pertu	rbation techniques are discussed. (Three [3] lecture hours per week)	
CCHE 544	Molecular Spectroscopy	3 Credits
Introduction and dis	cussion of the fundamentals of rotational, vibrational, Raman, and electronic spectra.	Development of
the quantum mechan	ical treatment of these phenomena. (Three [3] lecture hours per week)	
CCHE 545	Statistical Mechanics	3 Credits
Statistical methods a	s applied to thermodynamics: molar partition function of mono-, di-, and poly-atomi	c molecules and
their applications to	the interpretation of chemical phenomena. (Three [3] lecture hours per week)	
CCHE 546	Kinetics	3 Credits
A rigorous treatmen	t of reactions in the gas phase and in solution. Complex reactions, some reaction	mechanisms in
solution, analysis of a	and measurement of rates in fast reactions. (Three [3] lecture hours per week)	
CCHE 547	Magnetic Resonance	3 Credits
mechanisms, discuss	theory of NMR and EPR including the Bloch equation, Fourier transform NMR and tion of theoretical and experimental determination of NMR parameters, applications [3] lecture hours per week)	
CCHE 551	Advanced Biochemistry I	3 Credits
	stry of carbohydrates, lipids, proteins, enzymes, and other compounds of biological biological systems, enzyme kinetics. (Three [3] lecture hours per week)	significance and
CCHE 552	Advanced Biochemistry II	3 Credits
	tabolic reactions, metabolism of carbohydrates, lipids, proteins, nucleotides. An in	
	embrane transport and biochemical genetics. (Three [3] lecture hours per week)	5
CCHE 561	Topics in Industrial Chemistry	3 Credits
	s in chemical product development. Laboratory synthesis; scale-up to pilot plant and	
process control; pro chemical industry m industry: energy ind	ocess and equipment design; quality control and environmental issues; product nanagement issues. Lectures will be given by personnel from a variety of areas organic chemicals; polymers; pharmaceuticals; surfactants; soaps; and detergents,	marketing; and of the chemical
lecture hours per we CCHE 562	Scale-Up for Chemists	3 Credits
This course is design Topics such as mate operations of heat an	ned to acquaint the student with the principles of chemical production scale-up an rial and energy balance; transport phenomena involving momentum and energy to ad mass transfer; and process and equipment design. (Three [3] lecture hours per wee	nd manufacture. ransfer and unit ek)
CCHE 563	Catalysis	3 Credits
surfaces as prerequi	is, classification of catalyst systems, catalyst characterization, absorption of molec isite for catalytic reactions, kinetics of catalytic reactions, catalysis by metals, org ds, selected examples of catalyzed industrial reactions, applications of catal ems.	anometallic and

CCHE 571	Introduction to Polymer Chemistry	3 Credits
	g radical and ionic polymerization and polycondens reactions, structure-proper	ty relationships,
	I rheological properties of polymeric materials.	0.0 H
CCHE 572	Techniques in Polymer Chemistry	3 Credits
	to introduce students to experimental polymer chemistry, synthesis using ionic,	
	nerizations, molecular weight measurements by viscosity, osmometry, gel perme	
	copic characterization of polymers, measurements of thermal transitions. (Three [3] l	ecture hours per
week)		
CCHE 573	Physical Polymer Science	3 Credits
	nterrelationships among polymer structure, physical properties, and useful behav	
	ed include chain structure and configuration, solution and phase behavior, glass-r	
	asticity, polymer viscoelasticity and flow, mechanical behavior of polymers, etc. (T	'hree [3] lecture
hours per week)		
CCHE 618	Topics in Analytical Chemistry - Environmental Monitoring	3 Credits
	analytical and environmental chemistry including separations, spectroscopy and ma	
	rational principles of ISO 14001 Environmental Management System and ISO	
	n and chemical principles and operational characteristics of chemical instrument	ts as applied to
	itoring with EPA established protocols. (Three [3] lecture hours per week)	
CCHE 621	Topics in Inorganic Chemistry	3 Credits
	of areas of inorganic chemistry of current interest. (Three [3] lecture hours per week.)	
CCHE 631	Advanced Organic Synthesis	3 Credits
	stereo selective methods for the efficient synthesis of multifunctional organic compou	inds utilizing the
concepts of structur	al and reactivity equivalency. (Three [3] lecture hours per week)	
CCHE 632	Stereochemistry	3 Credits
Organic molecules of	containing centers, planes and axes of chirality in terms of their absolute and relativ	e configurations
and such topics of	prochirality, conformational analysis, resolution and introductory asymmetric syntl	nesis. (Three [3]
lecture hours per we	ek)	
CCHE 633	Photochemistry	3 Credits
A course on genera	l theory and concepts in organic photoreactions. The course will cover electronic o	rbitals, chemical
dynamics, potential	energy surfaces, photophysical radiation less transitions, mechanistic photochem	istry and photo
reactions. Treatmen	t of areas of organic chemistry of current interest. (Three [3] lecture hours per week)	
CCHE 639	Organometallic Chemistry	3 Credits
An introduction to t	he synthesis, structure, bonding, and reactivity of organometallic complexes. (Three	[3] lecture hours
per week)		
CCHE 644	Topics in Physical Chemistry	3 Credits
In-depth treatment	of areas in physical chemistry of current interest. (Three [3] lecture hours per week)	
CCHE 651	Physical Biochemistry	3 Credits
Survey of various	spectroscopic techniques and hydrodynamic, nonhydrodynamic and electric char	ge methods for
determination of si	ze, shape, and molecular weight of biomacromolecules with discussion of selected	d topics such as
relaxation spectrom	etry, solutions of macromolecule, and X-ray diffraction. (Three [3] lecture hours per w	veek)
CCHE 652		0.0 11
	Topics in Biochemistry	3 Credits
In-depth treatment	of areas of biochemistry of current interest, including immunology, signal tr	
	of areas of biochemistry of current interest, including immunology, signal tr	
carcinogenesis. (Thr CCHE 653	of areas of biochemistry of current interest, including immunology, signal tr ree [3] lecture hours per week)	ansduction, and 3 Credits
carcinogenesis. (Thr CCHE 653 In-depth treatment	of areas of biochemistry of current interest, including immunology, signal tr ee [3] lecture hours per week) Protein Biochemistry of current topics in protein structure and function. Analytical methods for stu	ansduction, and 3 Credits
carcinogenesis. (Thr CCHE 653 In-depth treatment	of areas of biochemistry of current interest, including immunology, signal tr ee [3] lecture hours per week) Protein Biochemistry	ansduction, and 3 Credits
carcinogenesis. (Thu CCHE 653 In-depth treatment Conformation and for CCHE 654	of areas of biochemistry of current interest, including immunology, signal tree [3] lecture hours per week) Protein Biochemistry of current topics in protein structure and function. Analytical methods for structure of proteins. Allosteric interactions, genetic engineering of proteins. Enzymology	ansduction, and 3 Credits udy of proteins. 3 Credits
carcinogenesis. (Thu CCHE 653 In-depth treatment Conformation and for CCHE 654 In depth treatment	of areas of biochemistry of current interest, including immunology, signal tree [3] lecture hours per week) Protein Biochemistry of current topics in protein structure and function. Analytical methods for structure of proteins. Allosteric interactions, genetic engineering of proteins.	ansduction, and 3 Credits udy of proteins. 3 Credits zymes, allosteric
carcinogenesis. (Thu CCHE 653 In-depth treatment Conformation and for CCHE 654 In depth treatment	of areas of biochemistry of current interest, including immunology, signal tree [3] lecture hours per week) Protein Biochemistry of current topics in protein structure and function. Analytical methods for studing of proteins. Allosteric interactions, genetic engineering of proteins. Enzymology of enzyme regulation, kinetics and formal model of catalysis, the anatomy of enzyme regulation, kinetics of students and instructor. (Three [3] lecture hours and instructor.	ansduction, and 3 Credits udy of proteins. 3 Credits zymes, allosteric nours per week)
carcinogenesis. (Thu CCHE 653 In-depth treatment Conformation and for CCHE 654 In depth treatment enzymes; topics may CCHE 655	of areas of biochemistry of current interest, including immunology, signal tree [3] lecture hours per week) Protein Biochemistry of current topics in protein structure and function. Analytical methods for studing of proteins. Allosteric interactions, genetic engineering of proteins. Enzymology of enzyme regulation, kinetics and formal model of catalysis, the anatomy of enzyme selected based on mutual interests of students and instructor. (Three [3] lecture here biochemistry	ansduction, and 3 Credits ady of proteins. 3 Credits zymes, allosteric ours per week) 3 Credits
carcinogenesis. (Thu CCHE 653 In-depth treatment Conformation and for CCHE 654 In depth treatment enzymes; topics may CCHE 655 A consideration of b	of areas of biochemistry of current interest, including immunology, signal tree [3] lecture hours per week) Protein Biochemistry of current topics in protein structure and function. Analytical methods for studing of proteins. Allosteric interactions, genetic engineering of proteins. Enzymology of enzyme regulation, kinetics and formal model of catalysis, the anatomy of enzyme regulation, kinetics of students and instructor. (Three [3] lecture here biological membranes, membrane transport, membrane structure, excitable membrane	ansduction, and 3 Credits ady of proteins. 3 Credits zymes, allosteric ours per week) 3 Credits nes and sensory
carcinogenesis. (Thu CCHE 653 In-depth treatment Conformation and for CCHE 654 In depth treatment enzymes; topics may CCHE 655 A consideration of b systems and signal	of areas of biochemistry of current interest, including immunology, signal tr ree [3] lecture hours per week) Protein Biochemistry of current topics in protein structure and function. Analytical methods for stu- olding of proteins. Allosteric interactions, genetic engineering of proteins. Enzymology of enzyme regulation, kinetics and formal model of catalysis, the anatomy of enzy be selected based on mutual interests of students and instructor. (Three [3] lecture hours biological membranes, membrane transport, membrane structure, excitable membrane transduction, membrane proteins, lipid metabolism. Other topics may be selected hours by be by biological membranes, membrane transport, membrane structure, excitable membrane transduction, membrane proteins, lipid metabolism. Other topics may be selected hours by be selec	ansduction, and 3 Credits ady of proteins. 3 Credits zymes, allosteric ours per week) 3 Credits nes and sensory
carcinogenesis. (Thu CCHE 653 In-depth treatment Conformation and for CCHE 654 In depth treatment enzymes; topics may CCHE 655 A consideration of h systems and signal interests of students	of areas of biochemistry of current interest, including immunology, signal tr ree [3] lecture hours per week) Protein Biochemistry of current topics in protein structure and function. Analytical methods for structure of proteins. Allosteric interactions, genetic engineering of proteins. Enzymology of enzyme regulation, kinetics and formal model of catalysis, the anatomy of enzy be selected based on mutual interests of students and instructor. (Three [3] lecture h Membrane Biochemistry piological membranes, membrane transport, membrane structure, excitable membrane transduction, membrane proteins, lipid metabolism. Other topics may be selected here and instructor.	ansduction, and 3 Credits ady of proteins. 3 Credits ymes, allosteric ours per week) 3 Credits nes and sensory pased on mutual
carcinogenesis. (Thu CCHE 653 In-depth treatment Conformation and for CCHE 654 In depth treatment enzymes; topics may CCHE 655 A consideration of h systems and signal interests of students CCHE 673	of areas of biochemistry of current interest, including immunology, signal tr ree [3] lecture hours per week) Protein Biochemistry of current topics in protein structure and function. Analytical methods for stu- olding of proteins. Allosteric interactions, genetic engineering of proteins. Enzymology of enzyme regulation, kinetics and formal model of catalysis, the anatomy of enzy be selected based on mutual interests of students and instructor. (Three [3] lecture hours be selected based on mutual interests of students and instructor. (Three [3] lecture hours be selected based on mutual interests of students and instructor. (Three [3] lecture hours be selected based on mutual interests of students and instructor. (Three [3] lecture hours be selected based on mutual interests of students and instructor. (Three [3] lecture hours be selected based on mutual interests of students and instructor. (Three [3] lecture hours be selected based on mutual interests of students and instructor. (Three [3] lecture hours be selected based on mutual interests of students and instructor. (Three [3] lecture hours be selected based on mutual interests of students and instructor. (Three [3] lecture hours be selected based on mutual interests of students and instructor. (Three [3] lecture hours be selected hou	ansduction, and 3 Credits ady of proteins. 3 Credits zymes, allosteric nours per week) 3 Credits nes and sensory passed on mutual 3 Credits
carcinogenesis. (Thu CCHE 653 In-depth treatment Conformation and for CCHE 654 In depth treatment enzymes; topics may CCHE 655 A consideration of h systems and signal interests of students CCHE 673 In-depth discussion	of areas of biochemistry of current interest, including immunology, signal tr ree [3] lecture hours per week) Protein Biochemistry of current topics in protein structure and function. Analytical methods for stu- olding of proteins. Allosteric interactions, genetic engineering of proteins. Enzymology of enzyme regulation, kinetics and formal model of catalysis, the anatomy of enzy be selected based on mutual interests of students and instructor. (Three [3] lecture hours be selected based on mutual interests of students and instructor. (Three [3] lecture hours be selected based on mutual interests of students and instructor. (Three [3] lecture hours be selected based on mutual interests of students and instructor. (Three [3] lecture hours be selected based on mutual interests of students and instructor. (Three [3] lecture hours be selected based on mutual interests of students and instructor. (Three [3] lecture hours be selected based on mutual interests of students and instructor. (Three [3] lecture hours be selected based on mutual interests of students and instructor. (Three [3] lecture hours be selected hour	ansduction, and 3 Credits ady of proteins. 3 Credits ymes, allosteric nours per week) 3 Credits nes and sensory based on mutual 3 Credits etallic initiators,
carcinogenesis. (Thu CCHE 653 In-depth treatment Conformation and fo CCHE 654 In depth treatment enzymes; topics may CCHE 655 A consideration of h systems and signal interests of students CCHE 673 In-depth discussion emphasis on the sy	of areas of biochemistry of current interest, including immunology, signal tr ree [3] lecture hours per week) Protein Biochemistry of current topics in protein structure and function. Analytical methods for stu- olding of proteins. Allosteric interactions, genetic engineering of proteins. Enzymology of enzyme regulation, kinetics and formal model of catalysis, the anatomy of enzy be selected based on mutual interests of students and instructor. (Three [3] lecture hours be selected based on mutual interests of students and instructor. (Three [3] lecture hours be selected based on mutual interests of students and instructor. (Three [3] lecture hours be selected based on mutual interests of students and instructor. (Three [3] lecture hours be selected based on mutual interests of students and instructor. (Three [3] lecture hours be selected based on mutual interests of students and instructor. (Three [3] lecture hours be selected based on mutual interests of students and instructor. (Three [3] lecture hours be selected based on mutual interests of students and instructor. (Three [3] lecture hours be selected based on mutual interests of students and instructor. (Three [3] lecture hours be selected based on mutual interests of students and instructor. (Three [3] lecture hours be selected hou	ansduction, and 3 Credits ady of proteins. 3 Credits yours per week) 3 Credits nes and sensory based on mutual 3 Credits etallic initiators,

CCHE 674	Topics in Polymer Chemistry	3 Credits
	current trends and topics of interest in polymer sciences. may include poly	
	nd composites, polymer spectroscopy, engineering properties of polymer, cher	
processing, etc., m	naterials, polymer processing, etc. (Three [3] lecture hours per week)	5 1 5
CCHE 700	Thesis Consultation	1 Credit
		Variable
CCHE 7XX	Thesis Research Area of Study	Credits
		Variable
CCHE 710	Research in Analytical Chemistry	Credits
		Variable
CCHE 720	Research in Inorganic Chemistry	Credits
		Variable
ССНЕ 730	Research in Organic Chemistry	Credits
COUR 704	Descende in Dississi Dississi atum	Variable
CCHE 731	Research in Physical Biochemistry	Credits
		Variable
CCHE 740	Research in Physical Chemistry	Credits
	Dessenth in Dischemistry	Variable
CCHE 750	Research in Biochemistry	Credits
		Variable
CCHE 760	Research in Industrial Chemistry	Credits
00WD 0		Variable
ССНЕ 770	Research in Polymer Chemistry	Credits
		Variable
ССНЕ 790	External Research	Credits
CCHE 800	Internship	6 Credits
CCHE 901	Dissertation Consultation	1 Credit
CCIS 500	Applications Software	3 Credits
	Introduction to Information Systems tion Systems at an introductory level. Topics include data structures, hardw ramming languages, and operating systems.	3 Credits vare concepts, software
CCIS 571	Introduction to Algorithms	3 Credits
	n design, using appropriate data structures. Topics include algorithms for sorti	
traversal and com		ig, searching and grap
CCIS 572	Introduction to Computer Architecture	3 Credits
	ganization of computer hardware and functional components.	5 Greates
CCIS 573	Introduction to Operating Systems	3 Credits
	perating system structures and designs, including process management, reso	
implementation.	servente system servetures and designs, including process management, rest	and munugement all
CCIS 574	Introduction to Database Systems	3 Credits
	cepts of databases, query processing and other topics of interest.	5 61 Cuito
stady of basic coll	cepts of databases, query processing and other topies of interest.	
CCIS 575	Introduction to Artificial Intelligence	3 Credits
	ly of intelligent problem solving and search algorithms, inference systems, m	
knowledge organi		actime intelligence all
CCIS 576	Programming Languages and Compilers	3 Credits
	ictic, semantic and pragmatic principles of programming. Parsing, translation and	
Juarvian of curts	Algorithm Design and Analysis	3 Credits
CCIS 671	n design and analysis techniques. Tonics include designing algorithms for any	
CCIS 671 Study of algorithm manipulation, gra	n design and analysis techniques. Topics include designing algorithms for sort aphs, fast Fourier transforms and mathematical manipulations. An introduction site: CCIS 571	
CCIS 671 Study of algorithm manipulation, gra theory. <i>Prerequi</i>	aphs, fast Fourier transforms and mathematical manipulations. An introductions is the construction of the	on to NP completenes
CCIS 671 Study of algorithi manipulation, gra cheory. <i>Prerequi</i> CCIS 672	phs, fast Fourier transforms and mathematical manipulations. An introduction	on to NP completenes

	Operating Systems Design	3 Credits
Advanced study of	of major issues in operating systems including resource management, concurre	ent programs and dualit
of operating syste	ems. Prerequisite : CCIS 573.	
CCIS 674	Database Design	3 Credits
Advanced study	of database design including data models, relational interfaces, relational	database design, quer
optimization, cra	sh recovery and concurrency control. Concepts are reinforced via design pro	jects. Prerequisite: CCI
574.		-
CCIS 675	Artificial Intelligence	3 Credits
Advanced study	of problem solving, theorem proving, knowledge representation, expert system	ms, learning and natura
	ing. Prerequisite: CCIS 575.	
CCIS 676	Theory of Programming Languages Design	3 Credits
	of modern programming languages and issues of modular, concurrent, fun	
	pics also include exception handling and software reuse. <i>Prerequisite</i> : CCIS 576	
CCIS 681	Computability Theory	3 Credits
	omputability theory including recursive function theory, Turing machines and s	
Prerequisite: CCI		,
CCIS 683	Algorithms for Parallel Computers	3 Credits
	algorithms and architecture. Topics include design and analysis of parallel	
	, mathematical manipulations and numerical problems. Prerequisites : CCIS 671	
CCIS 691	Software Engineering	3 Credits
	cept of software process as a framework for developing software systems w	
	es. Topics in alternative models for the software process. <i>Prerequisite</i> : Graduat	
CCIS 701	Logic Circuit Design	3 Credits
	gn of switching and sequential circuits, including timing, structure, realization a	
	ems of physical design and modeling. <i>Prerequisite</i> : CCIS 572.	inu mouulai logic uesig
CCIS 702	VLSI Design	3 Credits
	systems design, emphasizing quantitative characterization, analysis and	
Prerequisite: CCI		computer technique
CCIS 703		3 Credits
	Microprocessor Design ly of the concept, design and operation of microprocessors. Topics include arc	
	oprocessor evaluation, system design techniques and applications. Prerequisities	<i>lles</i> : Ulis 572, Ulis 70
CCIS 702.		2 C dite
CCIS 709	Digital Signal Processing	3 Credits
	in a digital representation and the processing methods of these signals. To	pics include time-serie
	mations, and filters. <i>Co-requisite</i> : CCIS 709L	
0 0 T 0 T 0 0 T		
	Digital Signal Processing Laboratory	0 Credit
Hands-on project	Digital Signal Processing Laboratory s in Digital Signal Processing. <i>Co-requisite</i> : CCIS 709.	
Hands-on project CCIS 710	Digital Signal Processing Laboratory s in Digital Signal Processing. Co-requisite: CCIS 709. Embedded Systems	3 Credits
Hands-on project CCIS 710 Embedded syster	Digital Signal Processing Laboratory s in Digital Signal Processing. Co-requisite: CCIS 709. Embedded Systems ns are computers that are often specialized for a single task. Topics include specialized for a single task.	3 Credits
Hands-on project CCIS 710 Embedded syster time system, inpu	Digital Signal Processing Laboratory s in Digital Signal Processing. Co-requisite: CCIS 709. Embedded Systems ns are computers that are often specialized for a single task. Topics include structure to the second development kits. Co-requisite: CCIS 710L.	3 Credits ystem architecture, rea
Hands-on project CCIS 710 Embedded syster time system, inpu CCIS 710L	Digital Signal Processing Laboratory s in Digital Signal Processing. Co-requisite: CCIS 709. Embedded Systems ns are computers that are often specialized for a single task. Topics include sit/output devices and development kits. Co-requisite: CCIS 710L. Embedded Systems Laboratory	3 Credits
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Prerequisite: CCIS 721.	CCIS 731 Study of human fa technology, menu-dr CCIS 732 Study of electronic metrics, and policies CCIS 735 Study of expert syste Web, reasoning, clus CCIS 800 Advanced practical programs. To recei <i>Prerequisite</i> : Approv CCIS 801 Advanced study of a Approval of the Depa CCIS 803 <i>Prerequisites</i> : CCIS 6 CCIS 805 <i>Prerequisite</i> : conser CCIS 809 <i>Prerequisite</i> : CCIS 6 CCIS 811	Human Computer Interfaces ctors involved in interaction with computers. Topics include terminal emulaiven input, command-line processing and response-time considerations. E-Commerce with Web-services commerce applications. Topics include technical infrastructure, business strateged Knowledge-intensive Systems ems, data-mining, and knowledge representation. Topics include rule-based prograter analysis and self-organizing maps. <i>Prerequisite</i> : CCIS 675. Practical Training training with government laboratories and industry via cooperative educatio ve credit for this course, a student must register prior to undertaking the val of the Department Chair. Topics in Computer Science topic of current interest in the department, leading to a publishable technical repartment Chair. Course may be repeated for credit. Research/Design Project in Data Base 74 Research/Design Project in Distributed Systems/Networking tt of instructor. Research/Design Project in Software Engineering 91. Research/Design Project in Artificial Intelligence	attion, split-screen 3 Credits gies, performance 3 Credits amming, semantic 3 Credits n and internship proposed work. 3 Credits ort. Prerequisite: 3 Credits 3 Credits
	CCIS 731 Study of human fa technology, menu-dr CCIS 732 Study of electronic metrics, and policies CCIS 735 Study of expert syste Web, reasoning, clus CCIS 800 Advanced practical programs. To recei <i>Prerequisite</i> : Appro CCIS 801 Advanced study of a Approval of the Depa CCIS 803 <i>Prerequisites</i> : CCIS 6 CCIS 805 <i>Prerequisite</i> : CCIS 6 CCIS 809 <i>Prerequisite</i> : CCIS 6 CCIS 811 <i>Prerequisite</i> : CCIS 6	Human Computer Interfaces ctors involved in interaction with computers. Topics include terminal emulaiven input, command-line processing and response-time considerations. E-Commerce with Web-services commerce applications. Topics include technical infrastructure, business strateger Knowledge-intensive Systems ems, data-mining, and knowledge representation. Topics include rule-based prograter analysis and self-organizing maps. Prerequisite: CCIS 675. Practical Training training with government laboratories and industry via cooperative educatio ve credit for this course, a student must register prior to undertaking the val of the Department Chair. Topics in Computer Science topic of current interest in the department, leading to a publishable technical repartment Chair. Course may be repeated for credit. Research/Design Project in Data Base 74 Research/Design Project in Distributed Systems/Networking rt of instructor. Research/Design Project in Software Engineering 91. Research/Design Project in Artificial Intelligence 75.	3 Credits 3 Credits gies, performance 3 Credits amming, semantic 3 Credits n and internship proposed work. 3 Credits ort. Prerequisite: 3 Credits
ULIS 821 I INESIS RESEARCH 3 Credits	CCIS 731 Study of human fa technology, menu-dr CCIS 732 Study of electronic metrics, and policies CCIS 735 Study of expert syste Web, reasoning, clus CCIS 800 Advanced practical programs. To recei <i>Prerequisite</i> : Appro CCIS 801 Advanced study of a Approval of the Depa CCIS 803 <i>Prerequisites</i> : CCIS 6 CCIS 805 <i>Prerequisite</i> : CCIS 6 CCIS 809 <i>Prerequisite</i> : CCIS 6 CCIS 811 <i>Prerequisite</i> : CCIS 6 CCIS 815	Human Computer Interfaces ctors involved in interaction with computers. Topics include terminal emulaiven input, command-line processing and response-time considerations. E-Commerce with Web-services commerce applications. Topics include technical infrastructure, business strateget Knowledge-intensive Systems ems, data-mining, and knowledge representation. Topics include rule-based prograter analysis and self-organizing maps. Prerequisite: CCIS 675. Practical Training training with government laboratories and industry via cooperative educatio ve credit for this course, a student must register prior to undertaking the val of the Department Chair. Topics in Computer Science topic of current interest in the department, leading to a publishable technical repartment Chair. Research/Design Project in Systems Software/Hardware 672 74 Research/Design Project in Distributed Systems/Networking to finstructor. Research/Design Project in Software Engineering 91. Research/Design Project in Artificial Intelligence 75. Research/Design Project in Information Systems	3 Credits 3 Credits gies, performance 3 Credits amming, semantic 3 Credits n and internship proposed work. 3 Credits ort. Prerequisite: 3 Credits 3 Credits
	CCIS 731 Study of human fa technology, menu-dr CCIS 732 Study of electronic metrics, and policies CCIS 735 Study of expert syste Web, reasoning, clus CCIS 800 Advanced practical programs. To recei <i>Prerequisite</i> : Appro CCIS 801 Advanced study of a Approval of the Depa CCIS 803 <i>Prerequisites</i> : CCIS 6 CCIS 805 <i>Prerequisite</i> : CCIS 6 CCIS 809 <i>Prerequisite</i> : CCIS 6 CCIS 811 <i>Prerequisite</i> : CCIS 6 CCIS 815 <i>Prerequisite</i> : CCIS 6	Human Computer Interfaces ctors involved in interaction with computers. Topics include terminal emulaiven input, command-line processing and response-time considerations. E-Commerce with Web-services commerce applications. Topics include technical infrastructure, business strateget Knowledge-intensive Systems ems, data-mining, and knowledge representation. Topics include rule-based prograter analysis and self-organizing maps. Prerequisite: CCIS 675. Practical Training training with government laboratories and industry via cooperative educatio ve credit for this course, a student must register prior to undertaking the val of the Department Chair. Topics in Computer Science topic of current interest in the department, leading to a publishable technical repartment Chair. Research/Design Project in Systems Software/Hardware 672 and 673. Research/Design Project in Distributed Systems/Networking nt of instructor. Research/Design Project in Software Engineering 91. Research/Design Project in Artificial Intelligence 75. Research/Design Project in Information Systems 21.	3 Credits 3 Credits gies, performance 3 Credits amming, semantic 3 Credits n and internship proposed work. 3 Credits ort. Prerequisite: 3 Credits

CCPS 501	Introduction to Counseling	3 Credits
	phical orientation to the counseling profession. Addresses the characteristics of ef	
	peutic relationship, and process of counseling. Activities are both didactic and exp	eriential in nature.
-	ssion to the Program.	
CCPS 502	Helping Relationship Skills	3 Credits
	nderstanding of the theoretical foundations of the helping processes necessary for b	
	ling cross-cultural counseling theories and the tools and techniques used to foste	
	ents will develop intrapersonal and interpersonal relationships through practice of	
	an effective counselor. Importance is placed on the mastery of fundamental concep	
	rapeutic relationships. This is an experiential course. <i>Prerequisites</i> : CCPS 501 and (
CCPS 503	Human Growth and Development	3 Credits
	ew of the biological, psychosocial, and cognitive aspects of human growth and devel	lopment across the
	ite: Admission to the Program.	2 Credita
CCPS 504	Theories of Counseling	3 Credits
	cories of counseling with respect to the major assumptions and the therapeutic relat	
	gence and divergence, strength and weakness, as well as the applicability of theories	s to all populations.
Prerequisite: CCPS		2 Credite
CCPS 505	Group Counseling hing, function, types, and principles of the group approach to counseling, includir	3 Credits
	eadership, role-playing, personal development in groups, and the influences of the g	
	nent. This is an experiential course. <i>Prerequisites</i> : CCPS 501, CCPS 502, CCPS 503, 8	
CCPS 506	Career	3 Credits
	ew of the field of career development theory. It focuses on the lifelong process of ca	
	rstems of occupational and educational information, and career and leisure cou	
	on empirically based theories of career development and the interventions that de	
	s: CCPS 501, CCPS 502, and CCPS 503.	The logically from
CCPS 507	Research and Measurements	3 Credits
	entals of the research tools employed by scholars when they conduct education	
	rary resources, types of research, review of research methodologies, measurement	
	rsis procedures, proposal preparation and report writing. <i>Prerequisite</i> : CCPS 512.	inoti antonio, aata
CCPS 508	Individual and Group Appraisal	3 Credits
	understanding of group and individual educational and psychometric theories a	and approaches to
	information gathering methods, validity and reliability, psychometric statistics,	
	use of appraisal results in counseling and consulting. <i>Prerequisites</i> : CCPS 507 and C	
CCPS 509	Counseling Diverse Populations	3 Credits
Examines the psyc	hological, sociological, and anthropological principles and research in the unders	tanding of cultural
diversity in Americ	an society. Emphasis is on knowledge, skills, and self-awareness of the counselor in	n providing mental
health services to a	diverse population.	
CCPS 510	Professional, Ethical and Legal Applications	3 Credits
	ssional, ethical and legal issues associated with human services. Analyzes the funct	
profession and the	study of legal rights, duties, and liabilities of human services practitioners. Prerequi	<i>site</i> : CCPS 501.
CCPS 512	Behavioral Statistics	3 Credits
	statistical techniques to describe, compare and predict probable trends in large a	nd small samplings
	te: Admission to the Program.	1
CCPS 518	School Consultation	3 Credits
	unseling candidates the opportunity to explore the differences between direct an	
	consultation, reflection on the practice of consultation and develop the knowled	
	onsultation process. The course provides an emphasis on working with school p	
	stically diverse populations as well as regular and disabled students. Prerequisite	es: CCPS 501, CCPS
	S 504, CCPS 505 and CCPS 506.	2 (
CCPS 520	Organization and Administration of Guidance and Counseling Services	3 Credits
	e of the school counselor in the development, implementation, and evaluation o dance program, as well as the counselor's involvement in leadership within the s	
	ol's curriculum, system goals, and equity issues. <i>Prerequisites</i> : CCPS 501, CCPS 50	
	S 506, and CCPS 518.	2, cur 3 303, cur3
CCPS 521	Elementary/Middle School Counseling Practicum (50 hours)	3 Credits
	ing theory and practice, developing, implementing, evaluating guidance and counseling	
	eveloping, implementing, and evaluating intervention strategies; and parental invo	
	exercipling, implementing, and evaluating intervention strategies; and parental invo	
	S 503, CCPS 504, CCPS 505, and CCPS 506.	Ciequisites: ULPS
501 (()) 507 ()		

	Cocondowy School Counceling Prostigues (FO house)	2 Credite
CCPS 522	Secondary School Counseling Practicum (50 hours) ng theory and practice, developing, implementing, evaluating guidance and couns	3 Credits
	reloping, implementing, and evaluating intervention strategies; and parental invo	
	es related to the academic success of the secondary school learner. Prerequisite	
	504, CCPS 505, and CCPS 506.	3 . CUIS 501, CUIS
CCPS 524	School Counseling Practicum (100 hours)	3 Credits
	experience in school counseling in which counseling theory and organization of	
	ed to practice. Students are placed in a K-12 school setting. In addition, stud	
	mall group supervision with the university supervisor, critique and analyze their	
	and analyses are given on these interactions by peers and the instructor. Through	
	nt is assisted in developing his/her relationship skills and counseling style. Theref	
	gral and vital part of the preparation program for professional counselors. Prereq	
and CCPS 520.	9	[,
CCPS 530	Community Counseling Practicum (100 hours)	3 Credits
	d experience in community counseling in which counseling theory and organization	
	s are applied to practice. Students are placed in an agency setting. In addition, stud	
	mall group supervision with the university supervisor, critique and analyze their	
	and analyses are given on these interactions by peers and the instructor. Throug	
each graduate stude	nt is assisted in developing his/her relationship skills and counseling style. Theref	fore, the practicum
	gral and vital part of the preparation program for professional counselors. Prerea	<i>quisites</i> : CCPS 535
and Candidacy.		
CCPS 532	Counseling Couples and Families	3 Credits
	eling course designed to increase knowledge of family systems, theory, and structure	
	nceptualize and treat family issues. Prerequisites: CCPS 501, CCPS 502, CCPS 50	3, CCPS 504, CCPS
505, and CCPS 506.	1	
CCPS 533	Counseling Children and Families	3 Credits
	w of childhood and adolescent development from various theoretical perspectiv	
	atment of emotional disorders prominent in childhood and adolescence. Prereq	uisites: CCPS 501,
	CCPS 504, CCPS 505, and CCPS 506.	0.0 N
CCPS 534	Community Counseling Practicum (100 hours)	3 Credits
	d experience in community counseling in which counseling theory and organization	
	s are applied to practice. Students are placed in agency setting. In addition, stud	
	mall group supervision with the university supervisor, critique and analyze their	
	and analyses are given on these interactions by peers and the instructor. Throug nt is assisted in developing his/her relationship skills and counseling style. Theref	
	gral and vital part of the preparation program for professional counselors. Prerequ	
CCPS 535	Abnormal Psychology and Diagnostic Systems	3 Credits
	w of abnormal psychology and trains students to assess psychological condition	
	tical Manual of Mental Disorders.	is according to the
CCPS 537	Employee Assistance Program Counseling	3 Credits
	and function of counselors in the workplace in providing helping services for en	
	es: CCPS 501, CCPS 502, CCPS 503, and CCPS 504.	
CCPS 539	Theories of Personality I	3 Credits
This course is design	ed to critically explore the important approaches to the study of personality in psy ranging from the psychoanalytic work of Freud through the behavioral views of Ski	chology. As such it
This course is design will be quite broad, i	ed to critically explore the important approaches to the study of personality in psy	chology. As such it inner and others to
This course is desigr will be quite broad, a humanistic approac	ed to critically explore the important approaches to the study of personality in psy anging from the psychoanalytic work of Freud through the behavioral views of Ski	rchology. As such it inner and others to lents in gaining an
This course is desigr will be quite broad, a humanistic approact understanding of th	ed to critically explore the important approaches to the study of personality in psy ranging from the psychoanalytic work of Freud through the behavioral views of Ski nes of those such as Rogers and Maslow. The aim of this course is to assist stud	chology. As such it inner and others to lents in gaining an sonality disorders.
This course is design will be quite broad, a humanistic approacl understanding of th Prerequisite : CCPS 510.	ted to critically explore the important approaches to the study of personality in psy ranging from the psychoanalytic work of Freud through the behavioral views of Ski nes of those such as Rogers and Maslow. The aim of this course is to assist stud ne various approaches to personality and identification and treatment of pers 501, CCPS 502, CCPS 503, CCPS 504, CCPS 505, CCPS 506, CCPS 507, CCPS 508, CC	rchology. As such it inner and others to lents in gaining an sonality disorders. CPS 509, and CCPS
This course is design will be quite broad, n humanistic approach understanding of th <i>Prerequisite</i> : CCPS 5 510. CCPS 540	ed to critically explore the important approaches to the study of personality in psy ranging from the psychoanalytic work of Freud through the behavioral views of Ski nes of those such as Rogers and Maslow. The aim of this course is to assist stud ne various approaches to personality and identification and treatment of pers 501, CCPS 502, CCPS 503, CCPS 504, CCPS 505, CCPS 506, CCPS 507, CCPS 508, CC School Counseling Internship I	chology. As such it inner and others to lents in gaining an sonality disorders. CPS 509, and CCPS 3 Credits
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This course is design will be quite broad, a humanistic approact understanding of th <i>Prerequisite</i> : CCPS 5 510. CCPS 540 Supervised filed pla treatment plans, ext individual supervisio	ted to critically explore the important approaches to the study of personality in psy ranging from the psychoanalytic work of Freud through the behavioral views of Ski nes of those such as Rogers and Maslow. The aim of this course is to assist stud the various approaches to personality and identification and treatment of personal 501, CCPS 502, CCPS 503, CCPS 504, CCPS 505, CCPS 506, CCPS 507, CCPS 508, CC School Counseling Internship I Incement of students. Student experiences are expected to include clinical diagensive counselor-client sessions, and follow-up of the client's progress. Students ro on on-site, one hour of individual university supervision and attend a weekly group	cchology. As such it inner and others to lents in gaining an sonality disorders. CPS 509, and CCPS 3 Credits gnoses, developing receive one hour of
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This course is design will be quite broad, a humanistic approact understanding of th <i>Prerequisite</i> : CCPS 5 510. CCPS 540 Supervised filed pla treatment plans, ext individual supervisio <i>Prerequisites</i> : CCPS CCPS 541	ted to critically explore the important approaches to the study of personality in psy ranging from the psychoanalytic work of Freud through the behavioral views of Ski hes of those such as Rogers and Maslow. The aim of this course is to assist stud the various approaches to personality and identification and treatment of personality. CCPS 502, CCPS 503, CCPS 504, CCPS 505, CCPS 506, CCPS 507, CCPS 508, CCPS School Counseling Internship I recement of students. Student experiences are expected to include clinical diagensive counselor-client sessions, and follow-up of the client's progress. Students r on on-site, one hour of individual university supervision and attend a weekly group 518, CCPS 520, CCPS 521, CCPS 522, and CCPS 524. School Counseling Internship II	cchology. As such it inner and others to lents in gaining an sonality disorders. CPS 509, and CCPS 3 Credits gnoses, developing receive one hour of
This course is design will be quite broad, a humanistic approact understanding of th <i>Prerequisite</i> : CCPS 5 510. CCPS 540 Supervised filed pla treatment plans, ext individual supervisio <i>Prerequisites</i> : CCPS CCPS 541 Capstone for clinical	ted to critically explore the important approaches to the study of personality in psy ranging from the psychoanalytic work of Freud through the behavioral views of Ski nes of those such as Rogers and Maslow. The aim of this course is to assist stud the various approaches to personality and identification and treatment of personal, CCPS 502, CCPS 503, CCPS 504, CCPS 505, CCPS 506, CCPS 507, CCPS 508, CC School Counseling Internship I accement of students. Student experiences are expected to include clinical diagensive counselor-client sessions, and follow-up of the client's progress. Students r on on-site, one hour of individual university supervision and attend a weekly group 518, CCPS 520, CCPS 521, CCPS 522, and CCPS 524. School Counseling Internship II field placement. <i>Prerequisite</i> : CCPS 540.	chology. As such it inner and others to lents in gaining an sonality disorders. CPS 509, and CCPS 3 Credits gnoses, developing eceive one hour of o supervision class. 3 Credits
This course is design will be quite broad, a humanistic approact understanding of th <i>Prerequisite</i> : CCPS 5 510. CCPS 540 Supervised filed pla treatment plans, ext individual supervisio <i>Prerequisites</i> : CCPS CCPS 541 Capstone for clinical CCPS 542	ted to critically explore the important approaches to the study of personality in psy ranging from the psychoanalytic work of Freud through the behavioral views of Ski nes of those such as Rogers and Maslow. The aim of this course is to assist stud the various approaches to personality and identification and treatment of personal, CCPS 502, CCPS 503, CCPS 504, CCPS 505, CCPS 506, CCPS 507, CCPS 508, CC School Counseling Internship I accement of students. Student experiences are expected to include clinical diagensive counselor-client sessions, and follow-up of the client's progress. Students r on on-site, one hour of individual university supervision and attend a weekly group 518, CCPS 520, CCPS 521, CCPS 522, and CCPS 524. School Counseling Internship II field placement. <i>Prerequisite</i> : CCPS 540. Community Counseling Internship I	cchology. As such it inner and others to lents in gaining an sonality disorders. CPS 509, and CCPS 3 Credits gnoses, developing eccive one hour of o supervision class. 3 Credits 3 Credits
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This course is design will be quite broad, n humanistic approact understanding of th <i>Prerequisite</i> : CCPS 5 510. CCPS 540 Supervised filed pla treatment plans, ext individual supervisio <i>Prerequisites</i> : CCPS CCPS 541 Capstone for clinical CCPS 542 Supervised filed pla treatment plans, ext	ted to critically explore the important approaches to the study of personality in psy ranging from the psychoanalytic work of Freud through the behavioral views of Ski nes of those such as Rogers and Maslow. The aim of this course is to assist stud the various approaches to personality and identification and treatment of personal, CCPS 502, CCPS 503, CCPS 504, CCPS 505, CCPS 506, CCPS 507, CCPS 508, CC School Counseling Internship I accement of students. Student experiences are expected to include clinical diagensive counselor-client sessions, and follow-up of the client's progress. Students r on on-site, one hour of individual university supervision and attend a weekly group 518, CCPS 520, CCPS 521, CCPS 522, and CCPS 524. School Counseling Internship II field placement. <i>Prerequisite</i> : CCPS 540. Community Counseling Internship I	cchology. As such it inner and others to lents in gaining an sonality disorders. CPS 509, and CCPS 3 Credits gnoses, developing eccive one hour of o supervision class. 3 Credits gnoses, developing eccive one hour of

Prerequisites:	CCPS 530 and CCPS 534.	
CCPS 543	Community Counseling Internship II	3 Credits
	cal field placement. <i>Prerequisite</i> : CCPS 542.	
CCPS 585	Thesis	3 Credits
	nted project for students electing to write a thesis. <i>Prerequisite</i> : Approval of Department	
CCPS 590	Master's Advisement	1 Credit
of Department	us of students for preparation and administration of comprehensive examination. <i>Prer</i>	equisite: Approval
CCPS 677	Independent Study in Counseling	3 Credits
	study of a specific topic of interest to the student in the area of counseling under	
	faculty member. A detailed study proposal must be submitted for approval. Prerequisi	
	r and the Department Chair.	
CECE 213	Practicum I: Observing and Exploring	2 Credits
that introduce exploring. Cou	el practicum is designed for potential teacher education candidates. The practicum pro potential candidates to teachers, learners, and the school community through processe urse assignments engage potential candidates in activities that strengthen skills in w Prerequisite : Admission to Teacher Education or Educational Studies or Post-Baccalaure	s of observing and riting and critical
CECE 313	Practicum II: Planning and Implementing	2 Credits
schooling proc	n promotes the development of teacher education candidates' knowledge and und tess and its influences and facilitates candidates' awareness of the foundational underp educational practices. Prerequisite : Admission to Teacher Education or Post-Baccalaure	innings that shape
CECE 316	Practicum III: Instructing, Connecting and Assessing	2 Credits
learning. Expe family relation knowledge to	a focuses on the instructional process and skills, resources, knowledge and interactions t riences are provided which promote candidates' awareness of the importance of develop aships to support the teaching/learning process. Candidates are guided to use their establish teaching/learning objectives. Prerequisite : Admission to Teacher Education t-Baccalaureate Programs. Co-requisites : CECE 426, CECE 452, CECE 498.	ping and nurturing r specific content
CECE 415	Methods of Teaching Reading and Writing	3 Credits
Candidates lea includes a revi	kills, and attitudes necessary for effective organization and implementation of the irn to promote reading as an informative, rewarding, and essential component of edu iew of widely used methods in teaching reading and a laboratory experience in which c trategies. <i>Prerequisite</i> : Admission to the Teacher Education or Post-Baccalaureate Progr	cation. The course andidates practice
CECE 426	Integrated Teaching of Elementary Math and Science	3 Credits
This course uses readings, case studies, instructional technology, and a school-based practicum to help pre-service teachers develop the scientific and mathematical knowledge, skills, and dispositions needed to teach science and mathematics in grades P-5. It examines research and theory in the field of math and science instruction and assessment and emphasizes culturally appropriate methodology in the integration of math and science. <i>Prerequisite</i> : Admission to the Teacher Education or Post-Baccalaureate Programs. <i>Co-requisite</i> : CECE 316		
CECE 452	Integrated Teaching of Social Studies and Language Arts	3 Credits
This course will examine, in depth, the methods used in teaching the integration of Social Studies into the Language Arts in the elementary school from an interdisciplinary, multicultural approach. Instruction in the elements of social studies and language arts, with emphasis on knowledge required for the teaching of content skills and methods in the language arts and social studies programs addressing national and state standards. <i>Prerequisite</i> : Admission to the Teacher Education or Post-Baccalaureate Programs, CECE 300. <i>Co-requisite</i> : CECE 316.		
CECE 498	Developing Family and Community Relationships	3 Credits
community. T education in th setting. The co	current and historical theory and practices in parent education and the impact of co the course reviews parents' and other adults' involvement with schools and covers the school's curriculum and the theoretical and practical aspects of parental involvement ourse takes an in-depth view of the role that the community plays in shaping the develo requisite : Admission to the Teacher Education, Educational Studies, or Post-Baccalaurea	the role of parent in the educational opment of children

CECO 500	Advanced Macroeconomic Theory	3 Credits
	treatment of theories of aggregate economic analysis; addresses critical questions such ne, employment, distribution of income, inflation, and cyclical behavior.	as determination of
CECO 501	Advanced Microeconomic Theory	3 Credits
Analyzes the markets.	theory of consumer behavior and production and the pricing mechanism in competitive	and noncompetitive
CECO 504	African American Political Economy	3 Credits
	the economic history on African Americans; analyzes historical and contemporary in rican American people.	mpact of economic
CECO 505	Public Finance	3 Credits
	effect of government expenditure and taxation on resource allocation, economic stabil t national, state and local levels.	ization, and income
CECO 509	Monetary Theory and Policy	3 Credits
	tary and fiscal policies as mechanisms of aggregate demand management; primary con ices, interest rate, and aggregate money supply. <i>Prerequisite</i> : CECO 500, or approval of	
CECO 510	Urban Economics	3 Credits
	etail the structure and growth of urban economy and examines the city as part of the ries of decision-making which explain the location of businesses and households within	
CECO 511	Seminar: Topics in Urban Economics	3 Credits
	cs such as economic determinants of urban spatial structure, public and private dec cation choices, and transportation. <i>Prerequisite</i> : CECO 510.	isions on firms and
CECO 512	Economic Development	3 Credits
	ies of economic development and investigates relevant economic models and analytica understanding of development issues; also discusses policies and contemporary prol	
CECO 513	International Economics	3 Credits
An analysis of	f theories of international trade, balance of payment problems and current issues in com	mercial policy.
CECO 517	International and Regional Economic Order	3 Credits
integration, e	al economic and political relations between developed and developing countries. Topic conomic and political cooperation, regional trade and development, and the level of acti CECO 512, CECO 513, or approval of the faculty.	
CECO 518	Seminar: Topics in Economic Development	3 Credits
specific resea	specific issues and approaches to economic development. Analyzes international, respecific issues and approaches to economic development. Analyzes international, respectively utilizing current theoretical and analytical tools. <i>Prerequisite</i> : CECO 512 (respective) respectively on the advisor and the instructor and may be taken as independent as are met.	or CECO 517. This
CECO 520	Economics for Non-Majors	3 Credits
	provide students with the fundamental economics background necessary to underst and Micro theories are developed in examining the impacts of markets and govern	

Explores labor-related topics including the theoretical and empirical investigations of equalizing differences in the la market, investment in human capital, and the problem of imperfect markets. Prerequisite: CECO 530. This concernce in the labor requires permission of the advisor and the instructor and may be taken as independent study provide prerequisites are met. CECO 550 Mathematical Analysis for Economists I 3 Credits Develops skills that translate economic and business problems and relationships into mathematical terms. 3 Credits Dijective is twofold: 1) to render a systematic exposition of certain basic mathematical methods, and 2) to relate these various types of economics analysis in such way that the mutual relevance of the two disciplines is exposed. Prerequisite: 2ECO 550. 3 Credits CECO 570 Research Methodology 3 Credits CECO 570 Research Methodology 3 Credits Supports theories and methods of scientific research in economics and related social sciences. Steps for problem ferequisite: Approval of the faculty. 3 Credits CECO 600 Statistical Analysis for Business and Economists 3 Credits Same as CSB 6510). Studies the use and application of descriptive statistics and statistical inference, includ rorbubility, sample survey, and simple linear regression models and violations of the basic assumptions. Prerequisite: CECO 601. 3 Credits Develops concepts and applications of statistical methods to economic and managerial problems, including mult regression and for	CECO 530	Seminar in Labor Economics	3 Credits
Explores labor-related topics including the theoretical and empirical investigations of equalizing differences in the la market, investment in human capital, and the problem of imperfect markets. Prerequisite: CECO 530. This concernce in the labor requires permission of the advisor and the instructor and may be taken as independent study provide prerequisites are met. CECO 550 Mathematical Analysis for Economists I 3 Credits Develops skills that translate economic and business problems and relationships into mathematical terms. 3 Credits Dijective is twofold: 1) to render a systematic exposition of certain basic mathematical methods, and 2) to relate these various types of economics analysis in such way that the mutual relevance of the two disciplines is exposed. Prerequisite: 2ECO 550. 3 Credits CECO 570 Research Methodology 3 Credits CECO 570 Research Methodology 3 Credits Supports theories and methods of scientific research in economics and related social sciences. Steps for problem ferequisite: Approval of the faculty. 3 Credits CECO 600 Statistical Analysis for Business and Economists 3 Credits Same as CSB 6510). Studies the use and application of descriptive statistics and statistical inference, includ rorbubility, sample survey, and simple linear regression models and violations of the basic assumptions. Prerequisite: CECO 601. 3 Credits Develops concepts and applications of statistical methods to economic and managerial problems, including mult regression and for	markets, labo	r processes, and trade union theories. This course requires permission of the advis	
market, investment in human capital, and the problem of imperfect markets. Prerequisite: CECO 530. This concerptions of the advisor and the instructor and may be taken as independent study provior prerequisites are met. CECO 550 Mathematical Analysis for Economists I 3 Credits Develops skills that translate economic and business problems and relationships into mathematical terms. 3 Credits Diffective is twofold: 1) to render a systematic exposition of certain basic mathematical methods, and 2) to relate thes arious types of economics analysis in such way that the mutual relevance of the two disciplines is exposed. Prerequis ECO 550. EECO 570 Research Methodology 3 Credits EXECO 600 Statistical Analysis for Business and Economists 3 Credits Same as CSB 6510). Studies the use and application of descriptive statistics and statistical inference, inclue probability, sample survey, and simple linear regression models and violations of the faculty. 3 Credits Develops concepts and applications of statistical methods to economic and managerial problems, including mult regression and forecasting, and simultaneous equations. Prerequisite: CECO 600, or approval of the faculty. 3 Credits Develops concepts and applications of statistical methods to economic and managerial problems, including mult regression and forecasting, and simultaneous equations. Prerequisite: CECO 600, or approval of the faculty. 3 Credits Develops concepts and applications of statistical methods to economic and managerial problems, including mult regression and forecasting,	CECO 531	Seminar: Topics in Labor Economics	3 Credits
Develops skills that translate economic and business problems and relationships into mathematical terms. CEC0 555 Mathematical Analysis for Economists II 3 Credits Dijective is twofold: 1) to render a systematic exposition of certain basic mathematical methods, and 2) to relate thes various types of economics analysis in such way that the mutual relevance of the two disciplines is exposed. Prerequisize: 2CC 550. 3 Credits CEC0 570 Research Methodology 3 Credits Szplores theories and methods of scientific research in economics and related social sciences. Steps for prob dentification, formulation of testable and meaningful hypotheses and empirical techniques of analysis are stud Prerequisite: Approval of the faculty. CEC0 600 Statistical Analysis for Business and Economists 3 Credits (Same as CSB 6510). Studies the use and application of descriptive statistics and statistical inference, inclue probability, sample survey, and simple linear regression models and violations of the basic assumptions. Prerequise and applications of statistical methods to economic and managerial problems, including mult regression and forecasting, and simultaneous equations. Prerequisite: CEC0 600, or approval of the faculty. CEC0 601 Econometrics I 3 Credits Studies the construction, estimation and testing of economic models. Prerequisite: CEC0 601. 3 Credits CEC0 805 Thesis Consultation 1 Credit For students who are in the final stage of their thesis writing which requires minimal supervision	market, inves requires per	tment in human capital, and the problem of imperfect markets. <i>Prerequisite</i> : CE mission of the advisor and the instructor and may be taken as independent	ECO 530. This course
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Focuses on the comprehensive curriculum development process and emphasizes leadership skills required implementation and evaluation of the curriculum. Field-based activities are integral parts of the course. (Offered in spin			ies and principles of
mplementation and evaluation of the curriculum. Field-based activities are integral parts of the course. (Offered in spin	CEDA 510	Curriculum Planning for Educational Leaders	3 Credits

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CEDA 520	Educational Resource Management	3 Credits
educational le	rovides an overview of the school system business administration. The course he adership in urban schools to explore and understand the issues of efficiency and equagement. (Offered in spring and summer)	
CEDA 525	Technology and Information Systems	3 Credits
	ourse, students will advance their knowledge of the personal computer and software util of school data. <i>Prerequisite</i> : Computer Literacy. (Offered in fall and summer)	ization tailored for
CEDA 530	School/Community Relations	3 Credits
	ciples and practices for improving diverse school and community relationships with em ffered in the fall)	phasis on the local
CEDA 535	Educational Policy and the Law	3 Credits
	nprehensive review of legal structures and foundations of the American public school system of context governing the administration of public schools. (Offered in the spring)	stem. Students will
CEDA 560	Practicum for the Master's Degree I	3 Credits
	rtunities at local school sites to synthesize and apply knowledge over two semesters in c ield experience requires 218 contact hours including scheduled reflective seminars. (Off	
CEDA 561	Practicum for the Master's Degree II	3 Credits
	rtunities at local school sites to synthesize and apply knowledge over two semesters in c ield experience requires 218 contact hours including scheduled reflective seminars. (Off	
CEDA 590	Educational Tests and Measurements	3 Credits
	xamines methods used to measure and evaluate student progress and how the info processes can be used to inform decisions about students, programs and activities. (mers)	
CEDA 599	Research for School Improvement	3 Credits
utilization of	ill guide students through basic research skills needed to locate and evaluate educations their skills to solve problems that arise in the school setting through the application ring and alternate summers)	
CEDA 600	Administration of the Urban School System	3 Credits
	emporary administrative and organizational models at the system level in American rimpact on urban school policies and practices. (Offered in fall and alternate summers)	public schools and
CEDA 601	Strategic Planning for Systemic Reforms	3 Credits
	idents to the concept of systemic school reform and the challenges facing educational hods and issues of planning large school interventions. (Offered in spring and alternate s	
CEDA 610	Administration & Supervision of the Instructional Program	3 Credits
curriculum an support of tea	aching/learning process and provides the administrator knowledge, skills and attitudes d instructional program. A primary emphasis is on improvement of instruction in urb cher, group development, professional development, curriculum development, and actio Offered in fall and alternate summers)	an schools. Direct

Student Personnel Administration	3 Credits
t personnel problems in public schools. (Offered in fall and alternate summers)	
Staff Personnel Administration	3 Credits
	personnel programs
Economics of Educational Equity	3 Credits
	onomic and financia
Community Educational Leadership	3 Credits
	in urban communit
Advanced Practicum I	3 Credits
s at school districts, state education departments or higher education. The field exp	
Advanced Practicum II	3 Credits
as at school districts, state education departments or higher education. The field exp	
Systematic Educational Evaluation	3 Credits
	cial system model o
Research Methods in Organization	3 Credits
	ement of variables in
Seminar in Strategic Leadership	3 Credits
Seminar in Strategic Leadership systems theories, students will examine the issues of systemic change in educationa levant literature, formulate research questions and design frameworks for interpring)	l organizations. They
systems theories, students will examine the issues of systemic change in educationa levant literature, formulate research questions and design frameworks for interpr	l organizations. The
systems theories, students will examine the issues of systemic change in educationa levant literature, formulate research questions and design frameworks for interpr ring)	l organizations. The retation and analysis 3 Credits leadership. They wil
systems theories, students will examine the issues of systemic change in educationa devant literature, formulate research questions and design frameworks for interpring) Seminar in Instructional Leadership examine school reform issues from the perspective of curriculum and instructional l	l organizations. The retation and analysis 3 Credits leadership. They wil
systems theories, students will examine the issues of systemic change in educationa devant literature, formulate research questions and design frameworks for interpring) Seminar in Instructional Leadership examine school reform issues from the perspective of curriculum and instructional l it literature, formulate research questions and design frameworks for interpretation a	l organizations. The retation and analysis 3 Credits leadership. They wil and analysis. (Offered 3 Credits ision making and the
systems theories, students will examine the issues of systemic change in educationa levant literature, formulate research questions and design frameworks for interpring) Seminar in Instructional Leadership examine school reform issues from the perspective of curriculum and instructional l at literature, formulate research questions and design frameworks for interpretation a Seminar in Organizational Leadership erspective of transformational leadership, students will examine organizational decorganizational change. They will review relevant literature, formulate research or	l organizations. The retation and analysis 3 Credits leadership. They wil and analysis. (Offered 3 Credits ision making and the
	Advanced Practicum I Arise of field-based experiences for education specialist and doctoral candidates or gs at school districts, state education departments or higher education. The field expincluding scheduled reflective seminars. Systematic Educational Equity

CEDA 735	Educational Policy Analysis	3 Credits
	ramework for analysis and decision making in education policy, analyzes selected nd introduces students to educational policy research methodology. (Offered in sp	
CEDA 739	Seminar in Political/Community Leadership	3 Credits
schools. Stude	es of leadership and governance as they relate to the larger political, social and cultur ents will review relevant literature, formulate research questions, and design framework Offered in spring)	
CEDA 790	Quantitative Research Methodology in Education	3 Credits
tools and tec	learn how to construct a variety of quantitative research designs, identify and use ap hniques, analyze, interpret and report research results using narrative, tabular a Computer Literacy. (Offered in fall)	
CEDA 795	Qualitative Research Methodology in Education	3 Credits
	ral students in developing theoretical framework from which qualitative inqui nethods and strategies of qualitative research are addressed. (Offered in spring)	ry emerges. Aims
CEDA 791	Directed Research (Elective)	3 Credits
Develops com	petencies in designing and developing research proposals. (Offered in fall, spring, summo	er)
CEDA 990	Doctoral Advisement	1 Credit
	us of students for preparation and writing comprehensive examination and/or prospe dissertation after final defense. Prerequisite : Approval of the Department Chair. (Offere	
CEDA 995	Dissertation Research	3 Credits
	ance on research for and writing of the dissertation. <i>Prerequisites</i> : Satisfactory complete on presearch for and writing of the dissertation. <i>Prerequisites</i> : Satisfactory complete comprehensive examination. Minimum six (6) hours required. (Offered in fall, spring,	
CEDC 262	Educational Technology	3 Credits
have hands-on digital technol is designed t	in experience with a variety of computer applications and technological tools used in ed a training with applications including word processing, Internet, spreadsheet, database ogy tools. Significant focus is placed on the development of Web sites and electronic po o satisfy the Georgia Teacher Certification Computer Skills Competency Requirer the Post-Baccalaureate Certification Program.	e, presentation, and rtfolios. This course
CEDC 360	Educational Measurement	3 Credits
education tes interpretation	stical concepts and terminology for education. Students gain knowledge of widely ts, such as CAT and ITBS. The course explores test construction, selection, a of test results to pupils and parents. This course is designed to provide experiences in t and interpretation of results. Prerequisite : Admission to the Teacher Education or rograms.	dministration, and test taking, analysis
CEDC 501	Psychology of Early Childhood	3 Credits
Examines theo	pries of behavior and development in young children.	L
CEDC 510	Earth Systems Science	3 Credits
	earth systems and changes in relation to astronomy, physical geology, meteorology d technology experiences are included.	and oceanography

CEDC 526	Curricular Integration of Creative Experiences for Young Children	3 Credits
Emphasizes ir	tegrating music, movement, creative writing, dramatics, and art into the curriculum.	
CEDC 530	Foundations of Culturally Responsive and Relevant Pedagogical Practices	3 Credits
frameworks u	cepts of culturally responsive and culturally relevant pedagogy and analyzes res pon which the concepts are based. Practices which support these concepts are observ ging students in the application of these practices are undertaken in the field.	
CEDC 538	Trends and Issues in Middle and Secondary School Curriculum	3 Credits
education; th	designed to explore the past decade of reform and major curricular dilemmas in a effects of ethnic and culturally diverse curriculum content on student achievement adigms for high achievement for all developmental levels. Technology resources are results.	ent; and creating nev
CEDC 551	Research, Design and Evaluation in Education	3 Credits
	ion of concepts, ideas, methodology, and issues related to the research process d quantitative research design and the evaluation processes in education.	. It will include both
CEDC 553	Educational Research Practitioner's Paper	3 Credits
implemented	the continuation of CEDC 552 Action Research Seminar. The Action Research Plan dev at the field-school site, analyzed, and a publishable manuscript written. Analysis tative/quantitative measures is performed. An Action Research thesis is a requiremen	of the data collected
CEDC 567	Calculus for Grades 6-12	3 Credits
integration. T	sive study of instructional strategies, materials, and modes for teaching/learning limi he focus is on instructional media and technologies for teaching concepts through r puter and calculator problem-solving platforms.	
CEDC 568	Geometry for Grades 6-12	3 Credits
	lods, materials, and technology for teaching Euclidean and Non-Euclidean geometry. ht knowledge or approval of the Department Chair.	Prerequisite : College
CEDC 569	Mathematics for Grades 6-12	3 Credits
examines sta calculus, stati	all curriculum objectives, structure, and materials for mathematics in secondary ndards-based techniques for instruction, assessment and technology for teachir stics and probability in diverse student environments (100 field hours). <i>Prerequis</i> courses in the program or approval of the Department Chair.	ng algebra, geometry
CEDC 570	Science for Grades 6-12	3 Credits
science educa	I Idards-based science secondary- and college-level curriculum. Investigates philosoph tion. Learning theories and methods are explored, as they relate to science teachin learth systems science. Technology activities and 100 field hours are included.	
CEDC 571	Physics for Grades 6-12	3 Credits
Focuses on th	e physics of real solids, liquids, surfaces, and classical mechanics. Laboratory experier	ices are included.
	Chemistry for Grades 6-12	3 Credits
CEDC 572	chemistry for drudes of 12	5 ci cuits

CEDC 573	Biology for Grades 6-12	3 Credits
	bgical theories, principles and concepts at the advanced level; molecules and cells, d populations. Laboratory, multimedia and other technology activities are included.	heredity and evolution
CEDC 595	Internship: Early Childhood Education	9 Credits
assume the r	berative guidance and supervision by University and local educational agency person esponsibilities of instructor in an educational setting (16-week field experience: 8-w des levels: P-K, 1-3, or 4-5). <i>Prerequisites</i> : All coursework and the GACE content of	veeks each in two of the
CEDC 597	Internship - Grades 6-12	6-9 Credits
assume the	berative guidance and supervision by University and local educational agency person responsibilities of instructor in an educational setting (16-week field experience grades levels: 6-8 and 9-12).	
CEDC 598	Independent Study	1- 3 Credits
	nt inquiry into theoretical and practical interests of students; contractual arrangem Permission of the instructor.	ent with the instructor
CEDF 550	History of Urban Education	3 Credits
	disciplinary lens of history, the course reviews the major forces that have shaped, an ol system in the United States. Particular focus will be directed at the urban setti	
CEDF 553	Schooling and the Urban Community	3 Credits
	eeks to cultivate and then encourage the utilization of a sociological lens to examine and our schools. (Offered in spring and summer)	our urban societies, ou
CEDF 654	Education and Urban Development	3 Credits
schools, and	social context of urban education, the development and expansion of concentrated the research on the relationship between poverty and educational performance. Stuc hildren and families and models for institutional collaboration.	
CEDS 425	Introduction to Exceptional Education	3 Credits
This course is	designed to introduce students to the characteristics and education of individuals w	ith disabilities.
CEDS 576	Cultural Diversity	3 Credits
Focuses on is diversity for o	ssues pertinent to cultural diversity such as race, ethnicity, gender, and religion a education.	nd the ramifications o
CEDS 578	Behavior Management	3 Credits
	nent of behavior problems related to adjustment and instructional management o and community settings.	f children and youth in
CEDS 579	Psycho-Educational Evaluation	3 Credits
	ues (non-biased assessment, reliability, validity, etc.) related to the assessme tudents will also conduct assessments of students with learning difficulties.	nt of individuals wit
CEDS 580	Psychology of Exceptional Children	3 Credits
individual in Special emph	raduate level introductory course for Special Education. Focuses upon the child relation to how the environment, family, school, peers, culture and society adapt to asis will be given to educational needs and modifications as they relate to characterindividuals with disabilities.	meet that child's needs

CEDS 585	Developmental Problems in Speech and Language	3 Credits		
	Studies the nature and causes of deviations from normal speech and language development. Provides instruction and demonstration in area of speech and language instruction for children and youth with disabilities.			
CEDS 591	Nature, and Needs of Students with Mild Disabilities	3 Credits		
	h-depth examination of characteristics, similarities, and differences among children wit : Approval of the Department Chair.	h mild disabilities.		
CEDS 592	Methods, Materials and Curriculum for Students with Mild Disabilities	3 Credits		
	rs develop skills in developing and implementing a variety of teaching strategies for indi- demic problems. <i>Prerequisites</i> : Approval of the Department Chair.	viduals and groups		
CEDS 593	Practicum for Special Education-General Curriculum (160 clock hours, 8-week field experience)	3 Credits		
	racticum in P-K in school settings with children with mild disabilities. <i>Prerequisites</i> hair. Students must register for their area of concentration plus weekly seminar CEDS 60			
CEDS 594	Internship for Special Education General Curriculum (400-clock hours, 10-week field experience)	3 Credits		
	ternship in a school setting with children with mild disabilities. Prerequisites : CEDS 57 593. Students must register for their area of concentration plus weekly seminar CEDS 60			
CEDS 600	Curriculum for Exceptional Children	3 Credits		
	n evaluating curriculum for individuals with mild disabilities, with an emphasis on e egies and materials for use in the inclusive classroom.	xamining effective		
CEDS 605	Diagnostic Reading for Teaching Reading	3 Credits		
disabilities (P-	ategies, causes and methods of teaching and diagnosis of reading problems/difficulties for 12). Provides a balance between inclusive theories and practices in the school setting. The cial requirements in reading. <i>Prerequisites</i> : Approval of the Department Chair.			
CEDS 606	Seminar for All Students Enrolled in Practicum and Internship	0 Credits		
application an	iss issues, trends and challenges related to teaching individuals with disabilities. Emphas d comparison of theory with actual field experiences at various levels. Course examines lucation to compare theory with actual field experiences.			
CEDS 642	Career Development for Exceptional Children and Youth	3 Credits		
vocational ass	programs and transitional issues for individuals with disabilities. Examines and utilizes essment techniques with individuals and groups. Examines tests for assessing job and can disabilities related to IDEA, ADA, transition to adulthood, and collaboration.			
CEDS 643	Counseling Families of Exceptional Children and Youth	3 Credits		
	aborative counseling role of special educators and the techniques for facilitating intellect of individuals with disabilities.	ual, emotional and		
CEDS 677	Independent Study	1 or 3 Credits		
	esearch under the direction of an advisor; advanced registration only with the approval ontified course of study. Course may be repeated only twice.	of the Department		
CEDS 698	Legislative and Legal Aspects in Exceptional Education	3 Credits		
Examines legi	slation, federal regulations, constitutional law, and litigation which impact the lives c	of individuals with		

CENG 502	Methods of Research	3 Credits
writing succ	exercises in research in literature and language with an emphasis on the prelimina essful theses and dissertation: proposals, abstracts, outlines, bibliographic e tation problems. This course is required of all graduate students in English during first s	essays/reviews, and
CENG 510	Early American Literature	3 Credits
nineteenth ce literature of s	bovers mainly English language texts of British North American from the mid-seventee nturies. It includes literature of exploration and conquest, Puritan sermons, colonial his ettlement, Puritan poetry, Native American voices, slave narrative, poetry of the early tion of the Early Republic.	storical narrative and
CENG 511	American Poetry and Poetics	3 Credits
	ill trace the history of American poetry through the twentieth century emphasizing th poetry of the period—through the poetics of the vernacular, the orchestral, and the exp	
CENG 512	American Renaissance	3 Credits
1865, studyin	rise of a distinctively American literature and aesthetic, with emphasis on the period g authors such as Ralph Waldo Emerson, Henry David Thoreau, Herman Melville, Jame er Stowe, Nathaniel Hawthorne, Edgar Allan Poe. Theory of the period will be an in	s Fennimore Cooper
CENG 513	American Realism and Naturalism	3 Credits
that reflect th Henry James,	ineteenth and early-twentieth century American literature categorized as realism an e "camera-eye" vision and the "under side" look at life. It includes authors such as Re Chesnutt, Dreiser, Crane, Frank Norris, Mark Twain, and Pauline Hopkins. Historica t of the course.	becca Harding Davis
CENG 514	The American Novel	3 Credits
includes the s	xplores the development of the novel in America from the late-eighteenth century tudy of different types of novels, with a special emphasis on the modernist works, an vere shaped by, the social, cultural, and historical forces characterizing the literary per	d explores how they
CENG 515	Contemporary American Literature	3 Credits
and cultural	kamines a selection of contemporary American fiction from 1965 to the present in histo contexts. Authors include Kurt Vonnegut, Don DeLillo, Ishmael Reed, Tom Wolf, N ise Erdrich, Maxine Hong Kingston, and others.	
CENG 516	Modern American Drama	3 Credits
Representativ	studies 19th- and 20th-century (including contemporary) plays written by An e dramatists from each literary-historical period and a range of dramatic styles will nodern drama.	
CENG 520	Ideas and Forms in African American Literature	3 Credits
determine the	surveys African American literature from both conceptual and historical perspect e extent to which the literature is uniquely African American. Studies in major poets a g through present—excluding the Harlem Renaissance—within their cultural, his	nd their poetry from
CENG 521	African American Poetry	3 Credits
	jor poets and their poetry from the beginning through present, excluding the Harlem historical, and literary contexts.	Renaissance, within
CENG 522	African American Novel	3 Credits
m1 ·	rplores the African American novel within each novel's social, cultural, and literary n	

CENG 523	Poetry of the Harlem Renaissance	3 Credits
	es in majorand some minorblack poets, poetry and poetics, and critics from the position solution is and critics of the era. Poets under study will vary somewht.	
CENG 524	African American Folklore	3 Credits
A study of the and the oral tr	principal characteristics of African and African American folklore with specific emplation.	hasis on folk literature
CENG 530	The African Novel	3 Credits
A study of mo	dern African novels written in English with attention to their social contexts. Authors	/novels will vary.
CENG 531	African Poetry in English	3 Credits
Studies in maj	or poets from West, East, and Southern Africa. Authors and works will vary.	
CENG 532	African Cultural Traditions	3 Credits
	cudies and analyzes the concepts of the black worldview and culture; it include can, and other Eastern aesthetics.	s readings of African
CENG 533	Caribbean Short Fiction and Novel	3 Credits
	plores both commonalities and differences identified in short and long fiction by ang peaking Caribbean writers, features that underscore the Pan-Caribbean scope of	
CENG 534	Caribbean Poetry	3 Credits
	of select Caribbean poets, this course explores literature and history through the exa stance and oppression in Caribbean poetry.	amination of recurrent
CENG 535	Commonwealth Literature	3 Credits
	selected literatures written in English by writers from British Commonwealth con , Australia, Canada, India, Malaysia, New Zealand, Pakistan, Singapore, and the West In	
CENG 540	Early English Novel	3 Credits
of the followi	udies in the development of the novel from the beginning to Jane Austen. Critical rea ng authors will be a part of the study: Aphra Behn, Daniel Defoe, Samuel Richan ne, and Frances Burney, among others.	
CENG 541	Later English Novel	3 Credits
This course is selected work	a study of the development of the novel from 1820 through World War I. It includs.	les critical readings of
CENG 542	Contemporary English Literature	3 Credits
Studies in the reading of sele	British novel and short fiction from World War I through post-modernism. The ected works.	study includes critical
CENG 543	Victorian Poetry	3 Credits
This course fo	l ocuses on the major Victorian poets and their works; among the authors are Arno	ld, Tennyson, Barrett-

	Shakespeare I: The Early Plays	3 Credits
This course co achievement which he live	bovers critical reading of the dramatic works of Shakespeare to about 1600. This cour of the first half of Shakespeare's works in the context of the theatrical, literary, socia 1.	rse locates the dramatic l, and political world in
CENG 545	Shakespeare II: The Later Plays	3 Credits
	xamines plays from the second half of Shakespeare's dramatic career, primarily a his later comedies.	selection of his majo
CENG 546	Modern British Drama	3 Credits
	cuses on post-World War II major British and Irish playwrights and their works, ind t, Simon Bent, David Kane, and Tom Stoppard.	cluding such authors a
CENG 547	Renaissance Literature	3 Credits
the course ar	cuses on major writers and their works, including poetry, essays, and drama. Among e Wyatt, Howard, Sidney, Spenser, Marlow, Shakespeare, Campion, Donne, Jonson, F ong with lesser known authors, especially females.	
CENG 548	The Enlightenment	3 Credits
	e literary trends of the seventeenth and eighteenth centuries. The study includes e, Dryden, Swift, Pope, Johnson, and others. The French influence, by way of Descart of the study.	
CENG 549	Literature of the Romantics	3 Credits
	l literature of the English Romantic period and its Continental underpinnings. The ntic writing to American Romantic literature.	course also compare
CENG 560	Special Topics in Writing	3 Credits
writing formsCreativeTechnica	mphasizes audience awareness, effective design and organization, clarity and corre frequently encountered in the workplace. Writing: This course will vary, focusing on fiction, poetry, drama, and creative non-fic l Writing: This is a course in analysis and writing of business and technical document at varies and may be repeated for credit.	tion alternately.
	Special Topics in Literature	
CENG 570	special ropies in Literature	3 Credits
Study in spec studies of a	al topics in literature, including multiethnic/cultural, film, technology and literature,	, or more particularized
Study in spec studies of a African/Carib	al topics in literature, including multiethnic/cultural, film, technology and literature, uthors/literature in the four areas of doctoral studies: African America	, or more particularized
Study in spec studies of a African/Carib CENG 580	al topics in literature, including multiethnic/cultural, film, technology and literature, uthors/literature in the four areas of doctoral studies: African America bean. Content Varies. Course may be repeated for credit.	or more particularized an, American, British 3 Credits
Study in spec studies of a African/Carib CENG 580 This course is	al topics in literature, including multiethnic/cultural, film, technology and literature, nuthors/literature in the four areas of doctoral studies: African America bean. Content Varies. Course may be repeated for credit. Directed Research	or more particularized an, American, British 3 Credits
Study in spec studies of a African/Carib CENG 580 This course is CENG 581 This course of	al topics in literature, including multiethnic/cultural, film, technology and literature, iuthors/literature in the four areas of doctoral studies: African America bean. Content Varies. Course may be repeated for credit. Directed Research focused on methods of writing and research that will lead to producing publishable v	or more particularized an, American, British 3 Credits works. 3 Credits
Study in spec studies of a African/Carib CENG 580 This course is CENG 581 This course o syntax; mode	al topics in literature, including multiethnic/cultural, film, technology and literature, nuthors/literature in the four areas of doctoral studies: African America bean. Content Varies. Course may be repeated for credit. Directed Research focused on methods of writing and research that will lead to producing publishable v History of the English Language rovers the study of the nature and function of language; the development of Engli	or more particularized an, American, British 3 Credits works. 3 Credits
Study in spec studies of a African/Carib CENG 580 This course is CENG 581 This course of syntax; mode CENG 590 Examines the	al topics in literature, including multiethnic/cultural, film, technology and literature, nuthors/literature in the four areas of doctoral studies: African America bean. Content Varies. Course may be repeated for credit. Directed Research focused on methods of writing and research that will lead to producing publishable v History of the English Language overs the study of the nature and function of language; the development of English grammar, vocabulary, and American speech.	or more particularized an, American, British 3 Credits works. 3 Credits lish sounds, forms and 3 Credits
studies of a African/Carib CENG 580 This course is CENG 581 This course of syntax; mode CENG 590 Examines the	al topics in literature, including multiethnic/cultural, film, technology and literature, nuthors/literature in the four areas of doctoral studies: African America bean. Content Varies. Course may be repeated for credit. Directed Research focused on methods of writing and research that will lead to producing publishable v History of the English Language overs the study of the nature and function of language; the development of English grammar, vocabulary, and American speech. Contemporary Africana Women's Fiction fiction by women throughout the African Diaspora with a focus on the roles and state	or more particularized an, American, British 3 Credits works. 3 Credits lish sounds, forms and 3 Credits

CENG 592	Ethnic American Women Writers	3 Credits
	riting of women of various American ethnic groups—Latina, Native American, Asian, e co white female authors who focus on writing ethnic American literature.	tc. Some attentior
CENG 593	Southern Women Writers	3 Credits
Studies the w heritage.	orks of women writers of the United States South with a focus on themes of culture, race	e, gender, class, and
CENG 601	Thesis Consultation	1 Credit
CENG 602	Methods of Research	3 Credits
that lead to w	l lectures and exercises in research in literature and language with an emphasis on the rriting successful theses and dissertation: proposals, abstracts, outlines, bibliographic e tation problems. This course is required of all graduate students in English (first semeste	ssays/reviews, and
CENG 605	Thesis Research	3 Credits
CENG 610	Early American Literature	3 Credits
eighteenth, a historical nar	l course covers mainly English language texts of British North American from the nd nineteenth centuries. It includes literature of exploration and conquest, Puritan rative and literature of settlement, Puritan poetry, Native American voices, slave narra period, and drama and fiction of the Early Republic.	sermons, colonia
CENG 611	American Poetry and Poetics	3 Credits
	course will trace the history of American poetry through the twentieth century emphasing at the poetry of the period—through the poetics of the vernacular, the orchestral, and t	
CENG 612	American Renaissance	3 Credits
between 183! Fennimore Co	course studies in the rise of a distinctively American literature and aesthetic, with emp 5 and 1865, studying authors such as Ralph Waldo Emerson, Henry David Thoreau, Herr poper, Harriet Beecher Stowe, Nathaniel Hawthorne, Edgar Allan Poe. Theory of the t of the course.	nan Melville, Jame
CENG 613	American Realism & Naturalism	3 Credits
naturalism, w Rebecca Hard	course studies late-nineteenth and early-twentieth century American literature categor vorks that reflect the "camera-eye" vision and the "under side" look at life. It includ- ing Davis, Henry James, Chesnutt, Dreiser, Crane, Frank Norris, Mark Twain, and Pauline e important in the course.	es authors such a
CENG 614	The American Novel	3 Credits
study of diffe	explores the development of the novel in America from the late-eighteenth century to 1 rent types of novels, with a special emphasis on the modernist works, and explores ho by, the social, cultural, and historical forces characterizing the literary periods associated	w they shaped, and
CENG 615	Contemporary American Literature	3 Credits
aesthetic, soc	l course examines a selection of contemporary American fiction from 1965 to the j ial, and cultural contexts. Authors include Kurt Vonnegut, Don DeLillo, Ishmael Reed, Iorrison, Louise Erdrich, Maxine Hong Kingston, and others.	
CENG 616	Modern American Drama	3 Credits
Representativ	l course studies 19th- and 20th-century (including contemporary) plays written by Am re dramatists from each literary-historical period and a range of dramatic styles will be nodern drama.	

CENG 620	Ideas and Forms in African American Literature	3 Credits
	level course surveys African American literature from both conceptual and historica mine the extent to which the literature is uniquely African American.	l perspectives in ar
CENG 621	African American Poetry	3 Credits
	course studies in major poets and their poetry from the beginning through present, ex vithin their cultural, historical, and literary contexts.	xcluding the Harlem
CENG 622	African American Novel	3 Credits
	level course explores the African American novel within each novel's social, cultural, Clotel, or the President's Daughter, to the contemporary, such as Morrison's Paradise.	and literary milieu
CENG 623	Poetry of the Harlem Renaissance	3 Credits
period 1919-2	course includes studies in majorand some minorblack poets, poetry and poetics, 934; the course also considers relevant white poets and critics of the era. Poets un rending on the semester taught.	
CENG 624	African American Folklore	3 Credits
	study of the principal characteristics of African and African American folklore with s and the oral tradition.	pecific emphasis of
CENG 630	The African Novel	3 Credits
Advance level will vary.	study of modern African novels written in English with attention to their social conte	exts. Authors/novel
CENG 631	African Poetry in English	3 Credits
Advance level	studies in major poets from West, East, and Southern Africa. Authors and works will var	y.
CENG 632	African Cultural Traditions	3 Credits
	course studies and analyzes the concepts of the black worldview and culture; it include can, and other Eastern aesthetics.	s readings of Africa
CENG 633	Caribbean Short Fiction and Novel	3 Credits
francophone,	course explores both commonalities and differences identified in short and long fict and Spanish-speaking Caribbean writers, features that underscore the Pan-Caribbean s iences.	
defining expei		
defining exper	Caribbean Poetry	3 Credits
CENG 634 Using a group	Caribbean Poetry of select Caribbean poets, this advance level course explores literature and history throu nemes of resistance and oppression in Caribbean poetry.	
CENG 634 Using a group	of select Caribbean poets, this advance level course explores literature and history thro	
CENG 634 Using a group of recurrent th CENG 635 Advance level	of select Caribbean poets, this advance level course explores literature and history throuemes of resistance and oppression in Caribbean poetry.	ugh the examinatio 3 Credits h countries, such a
CENG 634 Using a group of recurrent th CENG 635 Advance level	of select Caribbean poets, this advance level course explores literature and history throuemes of resistance and oppression in Caribbean poetry. Commonwealth Literature study of selected literatures written in English by writers from British Commonwealt	ugh the examination 3 Credits h countries, such a
CENG 634 Using a group of recurrent th CENG 635 Advance level South Africa, M CENG 640 Advance level selected work	of select Caribbean poets, this advance level course explores literature and history throuemes of resistance and oppression in Caribbean poetry. Commonwealth Literature study of selected literatures written in English by writers from British Commonwealt ligeria, Australia, Canada, India, Malaysia, New Zealand, Pakistan, Singapore, and the We	ugh the examination 3 Credits countries, such a est Indies. 3 Credits . Critical reading countries

CENG 642	Contemporary English Literature	3 Credits
	course studies in the British novel and short fiction from World War I through post-mo al reading of selected works.	dernism. The study
CENG 643	Victorian Poetry	3 Credits
context and r	level course focuses on the more important works by major poets, critics, and autobiog ecent criticism will be a part of the study. Among the authors included: Carlyle, M rrett-Browning, Browning, Gabriel Dante Rossetti, Christina Rossetti, Swinburne, and Hop	ill, Ruskin, Arnold,
CENG 644	Shakespeare I: The Early Plays	3 Credits
the dramatic	evel course covers critical reading of the dramatic works of Shakespeare to about 1600. achievement of the first half of Shakespeare's works in the context of the theatrical, I in which he lived.	
CENG 645	Shakespeare II: The Later Plays	3 Credits
	evel course examines plays from the second half of Shakespeare?s dramatic career, prir edies and his later comedies.	narily a selection of
CENG 646	Modern British Drama	3 Credits
	level course focuses on post-World War II major British and Irish playwrights and the Is Samuel Beckett, Simon Bent, David Kane, and Tom Stoppard.	ir works, including
CENG 647	Renaissance Literature	3 Credits
authors includ	level course focuses on major writers and their works, including poetry, essays, and ded in the course are Wyatt, Howard, Sidney, Spenser, Marlow, Shakespeare, Campi x, Marvell, and Milton along with lesser known authors, especially females.	
CENG 648	The Enlightenment	3 Credits
such as Hobbe	study of the literary trends of the seventeenth and eighteenth centuries. The study inclues, Locke, Dryden, Swift, Pope, Johnson, and others. The French influence, by way of Desc a part of the study.	
CENG 649	Literature of the Romantics	3 Credits
	study of the literature of the English Romantic period and its Continental underpinnin lish Romantic writing to American Romantic literature.	gs. The course also
CENG 660	Special Topics in Writing	3 Credits
mastery of wrCreative VTechnical	evel course emphasizes audience awareness, effective design and organization, clarity a iting forms frequently encountered in the workplace. <i>N</i> riting: This course will vary, focusing on fiction, poetry, drama, and creative non-fiction Writing: This is a course in analysis and writing of business and technical documents. t varies and may be repeated for credit.	
CENG 670	Special Topics in Literature	3 Credits
particularized	study in special topics in literature, including multiethnic/cultural, film, technology and studies of authors/literature in the four areas of doctoral studies: African American bean. Content Varies. Course may be repeated for credit.	
CENG 680	Directed Research	3 Credits
This advance l	evel course is focused on methods of writing and research that will lead to producing pu	blishable works.
CENG 681	History of the English Language	3 Credits
	l level course covers the study of the nature and function of language; the development tax; modern English grammar, vocabulary, and American speech.	of English sounds,

CENG 690	Contemporary Africana Women's Fiction	3 Credits
	course examines the fiction by women throughout the African Diaspora with a focus on t in the societies represented in the novels.	the roles and status
CENG 691	Caribbean Women Writers: Genre	3 Credits
	course examines the writing of women of the English, French, and Spanish speakin French and/or Spanish could be useful. Genres (fiction, poetry, and drama) may vary ea	
CENG 692	Ethnic American Women Writers	3 Credits
	course studies the writing of women of various American ethnic groups—Latina, Nativention will be given to white female authors who focus on writing ethnic American literat	
CENG 693	Southern Women Writers	3 Credits
	course studies the works of women writers of the United States South with a focus on class, and heritage.	themes of culture
CENG 752	Major Authors	3 Credits
	dy on (a) preeminent author/s writing in English that emphasizes the uniqueness and im v environment and traditions of the milieu.	pact of the writer/s
CENG801	Dissertation Consultation	1 Credit
CENG 805	Dissertation Research	3 Credits each
CFRE 056/506	French for Graduate Students	3 Credits
easy compreh	repare graduate students for developing the foreign language reading and translation ension of scholarly articles in their subject area. The class meets three hours weekly for 0 credits under CFRE 056). One does not need any prior knowledge of French to be enro	one semester (may
CFRE 509	Directed Readings in French I	3 Credits
	y and investigation of a particular period or writer of interest to an individual studen consultation with the department chairperson must approve all special study project e repeated.	
CFRE 510	Directed Readings in French II	3 Credits
	y and investigation of a particular period or writer of interest to an individual studen consultation with the department chairperson must approve all special study project e repeated.	
CFRE 511	French Phonetics and Pronunciation	3 Credits
	hch phonetics, pronunciation and intonation with intensive practice in reading and a genuine French diction through the aid of phonetic transcription and authentic Frenc	
CFRE 513	Advanced French Grammar and Composition	3 Credits
	fundamental grammatical principles of French and the most difficult idiomatic and lite along with extensive oral and written compositions.	rary expressions of
CFRE 514	Advanced French Prose	3 Credits
	harpen the student's sensitivity to stylistic nuances in literary texts, this course compler asis on grammatical structure and stylistics within the framework of literary analysis and	

CFRE 515	French Civilization to 1789	3 Credits
society, the R	ch civilization from its origins through the Revolution of 1789. Special emphasis enaissance period and the "siècle de Louis XIV," starting with the absolute monar- purse includes an extensive audiovisual component. Students should be able to	chy and the development of
CFRE 516	French Civilization to the Present	3 Credits
	ch civilization from the Consulate to the present with major emphasis on current course includes an extensive audiovisual component. Students should be able to	
CFRE 517	French Poetry	3 Credits
Emphasizes t	he development of poetic schools from the Middle Ages through the twentieth cer	ntury.
CFRE 518	French Prose	3 Credits
Traces the de	velopment of novelistic trends from Chrétien de Troyes through the "nouveau ror	nan."
CFRE 519	French Drama	3 Credits
Studies of the	development and evolution of the French theatre in France from the medieval pe	riod through the present.
CFRE 559/560	Methods of Teaching Modern Foreign Languages	3-6 Credits
	ly of the most recently developed methods and techniques of foreign language ins	struction.
CFRE 615	Francophone Colonial Civilization	3 Credits
in former Fre	f Creole cultures of Haiti, Martinique, Guadeloupe, French Guiana, Reunion, and M nch West Africa and French Equatorial Africa, along with the impact on Europea les indigenous to or imported into these areas.	
CFRE 637	Francophone Literature I	3 Credits
Historical su Francophone	rvey of the literature and literary productions of Haiti, Martinique, Guadel Africa.	oupe, French Guiana, and
CFRE 638	Francophone Literature II	3 Credits
Historical su Francophone	rvey of the literature and literary productions of Haiti, Martinique, Guadel Africa.	oupe, French Guiana, and
CFRE 640	Seminar in Comparative Black Literature	3 Credits
Selected rese literature.	arch problems comparing and contrasting traditions in Francophone, Afro-Hisp	anic and African Americar
CFRE 650	French Linguistics	3 Credits
	appreciation of the nature, function and structure of the French language—so cted readings, lectures and discussions.	unds, vocabulary, syntax—
CFRE 716	Comparative Romance Culture and Civilization	3 Credits
Comparative	study of Romance societies from their origins to the present with major emph	asis on political, social and

CFRE 717	Romantic to Modern Poetry	3-6 Credits
	vill treat the development of poetic trends, movements and philosophies in France in turies. Particular attention will be paid to Victor Hugo.	the nineteenth and
CFRE 718	Modern Prose	3 Credits
desire of the	lepth study of the nineteenth and twentieth century novel. The choice of novelists will va instructor. Students should expect to read voluminous works of both centuries, and be p en about the works.	
CFRE 719	Classical to Modern Drama	3 Credits
	bus study of the French theatre from 1550 to the present. Students should expect to rea prepared to identify the stylistic nuances of the various literary movements as they relate	
CFRE 761	French Seminar I	3-6 Credits
The examinat	ion, documentation, resolving and presentation of research problems in a specific field.	
CFRE 762	French Seminar II	3-6 Credits
The examinat	ion, documentation, resolving and presentation of research problems in a specific field.	
CFRE 801	Thesis Consultation	1 Credit
CFRE 802	Dissertation Consultation	1 Credit
CFRE 805	Thesis Research	6 Credits
CFRE 806	Dissertation Research	6 Credits
CHED 600	Administration and Governance of Higher Education	3 credits
their adoptio financial and Academic and	xplores models of governance in higher education, their relative efficiency and the factors n by particular institutions. The course will provide an overview of some of the demog planning issues and forces, and examine how they affect the way colleges and univers administrative Unit governance within higher education will be explored, as well as the the college governance.	raphic, social, lega sities are governed
CHED 610	History of American Higher Education	3 Credits
customs, valu examines the	throduces students to the major historical events in the system of American higher educ es and traditions that affect students, faculty, administrators and other stakeholders. In a philosophical mission and purpose of American colleges and universities, and em help to shape and define institutional issues and policies, and other distinctive features.	addition, the cours
CHED 620	Community College Leadership and Practice	3 Credits
colleges and	xplores the structure, theory and governance of the community college and its relation universities. Students will have the opportunity to diagnose organizational needs, iden tive solutions by creating a community services project or program on paper.	
CHED 630	Strategic Planning	3 credits
	troduces students to the concept of systemic institutional reform and challenges facing also, considers methods and issues of planning macro and long-range interventions.	educational chang
CHED 640	University Teaching and Learning, Theory and Practice	3 Credits
university co	Ingage students in a variety of assignments, both individually and as a group, to system urse which effectively and efficiently enhanced student learning and meaningful engage It learning theories and styles, and how to teach a diversity of learners.	

CHED 650	Student Affairs and Academic Services	3 Credits
community. S guided the ev register, enro the support s	camines the purpose, organization, roles and functions of student affairs and its relation tudents will explore the historical and philosophical influences and organizational s olution of higher education and the student affairs profession. The methods by whic II, and manage students through their matriculation to graduation will be discussed. S ervices provided to assist students through their matriculation and assess the effect ces for academically diverse students. The course will focus on practitioner skills and res	structures that have h institutions admit, tudents will explore iveness of a host of
CHED 660	Human Resources Administration	3 Credits
and removal workforce de looks into the	troduces students to the principles and practices needed in recruitment, evaluation, r of personnel and maintenance of staff personnel programs. Other key oversight wo velopment, benefits and compensation, and employee relations are reviewed and ar e challenge of workforce and workplace diversity as well as best practices and futu inistration within higher education.	rk functions include alyzed. This course
CHED 670	Law and Ethics in Higher Education	3 Credits
	ovides an analysis of pervasive finance-based equity issues facing higher education instoution of economic and financial challenges of ensuring equit	
CHED 680	Social Justice and Diversity in Higher Education	3 Credits
justice, divers	repares students to examine the social fabric of the higher education system throug ity, and equity. The focus rests on the role and responsibilities, challenges, and opp ninistrators for creating and sustaining a truly inclusive campus community of learners.	
CHED 690	Program Assessment and Evaluation	3 Credits
	valuates organizational units and instructional programs in higher education through ls of organization and assessment instruments.	application of socia
CHED 699	Research Methods	3 Credits
	kamines methods of researching problems in organizations and develops instruments lucational organizations.	for measurement of
CHED 700	Organization Leadership and Theory	3 Credits
to use leaders	camines the relationship of environment, institutional culture and organizational goals. S hip and systems theories as tools to analyze organizational behavior and the relationsl culty productivity and student achievement.	
CHED 710	Managing Political Conflict in Higher Education	3 Credits
interest group	xamines political challenges and discusses alternative solutions of the many compet os at national, state, and institutional levels and the resulting implications for primary s nts, administrators, donors/investors, and employers in higher education.	
CHED 720	Higher Education Policy Development and Analysis	3 Credits
	camines critically the development of the most important federal and state policies, legi- lic and private colleges and universities in the United States.	slation and practices
CHED 730	International Higher Education	3 Credits
Topics includ	xplores the internationalization and globalization of higher education from a comp e the role and dynamics of higher education globally, and the similarities and differen e, admission, structure, curriculum, student affairs and academic services internationally	ces in development
CHED 740	Leading Change to Develop and Empower Communities	3 Credits
relationships opportunities	course explores how American colleges and universities have developed and mainta with political and community collaborations, both public and private, and how each and challenges to develop and empower communities. Students will examine the so complexity of these partnerships.	presents numerous

CHED 750	Law and Ethics in Higher Education	3 Credits
limited to the focus will be faculty, staff, constitutional, personal liabil	amines the legal and ethical principles that guide the administration of higher education social, political, economic, and educational environments in which colleges and univers on the historical, contemporary, and emerging legal and ethical issues directly impacti and students in American colleges and universities. Special attention will be given statutory, and contract law with application to issues including, but not limited to ity, torts, academic freedom, FERPA regulations, dispute resolution, discrimination, empl of expression, Title IX, among other issues.	sities function. The ng administrators, to understanding institutional and
CHED 760	Principles of College Student Recruitment and Retention	3 Credits
Topics include with disabiliti Students will	camines best practices for recruitment and retention of college students, including those recruitment and retention practices, support programs for first-generation college stud- es, proactive advising methods and intervention strategies, transition services, and con be responsible for identifying strategies employed by community colleges to recruit, e academic setting, such as summer bridge programs, first-year seminars, and early warni	lents, and students nmunity outreach. retain and sustain
CHED 770	Faculty Issues in American Colleges and Universities	3 Credits
institution in	amines the roles of college and university faculty, including how their work may differ be which they work, how faculty roles and responsibilities have changed over time, focusin I purpose of the tenure system and recent trends toward the use of non-tenure line niversities.	ng in particular on
CHED 780	Student Development and Learning	3 Credits
the growing a behaviors and will be taugh institutions do responsibilitie	camines the development and learning theories, past and present, which help to increase nd changing nature of college students. Students will explore how these theories can be attitudes of students, in an effort to address better student needs and encourage studen t to deconstruct these models and epistemologies, in an effort to gain clarity "of the what they do, and why the changing student demographics demand a closer look. In add s of faculty and other student support professionals will be emphasized, and major issues develop strategies, based on their new perspectives, to address them.	elp predict student t success. Students he how and why" ition, the roles and
CHED 790	Quantitative Research Methodology	3 Credits
	ill guide students through basic quantitative research skills needed to define problems in ed, and the utilization of quantitative designs to collect and analyze and interpret da	
CHED 791	Directed Research Elective	3 Credits
This course is designed for students who are at the stage in their planned program of conceptualizing their dissertation prospectus and, thus, need guidance from a designated faculty member to reach this milestone. The goal is to complete the prospectus for approval by the dissertation committee to be presented to the faculty.		
CHED 795	Qualitative Research Methodology	3 Credits
social sciences qualitative res research ques qualitative fra ethnography,	designed to provide a practical introduction to the qualitative research and its applicatio s. Students completing this course should have an understanding of the basic philosophi earch, key differences between qualitative and quantitative research, and how these assu tions, data collection, data analysis, verification, and the use of theory and literature Ad- amework, students will learn about five Approaches of qualitative inquiry: narr grounded theory, and phenomenology. The course, also, will address ethical issues rela earch studies, the role of the researcher, and strategies for reporting and evaluating quali	cal assumptions of imptions influence ditionally, within a ative, case study, ated to conducting
CHED 990	Doctoral Advisement	1 Credit
	us of students for preparation and writing comprehensive examination and/or prospection dissertation after final defense. <i>Prerequisite</i> : Approval of the Department Chair. (Offered	

CHED 995	Dissertation Research I: Prospectus Defense	3 Credits
passed the d	designed for students who have completed requisite course work, other required r octoral comprehensive examinations to develop a dissertation prospectus under t ommittee for presentation to the faculty of the department for review and action.	
CHED 995	Dissertation Research II: Dissertation Defense	3 Credits
been approve	designed for students who need additional work on the prospectus or whose prospectus d to conduct the research phase of the dissertation. During this phase the student ommittee that determines when the student is prepared to defend the dissertation.	
CHIS 550	United States History and Law to 1877	3 Credits
Examines the	history and structures of the United States from 1870 to the present.	
CHIS 551	U.S. Constitutional History and the Laws since 1877	3 Credits
Examines the	history and legal structures of the United States from 1870 to the present.	
CHIS 563	The African American in the United States to 1877	3 Credits
Study of the so	cial, economic, political and cultural development of African Americans during this perio	d.
CHIS 564	The African American in the United States since 1877	3 Credits
Examines ideo Reconstruction	logical trends, key personalities and events that have characterized the African America n.	n experience since
CHIS 565	African American History for High School Teachers	3 Credits
	y of African Americans, explores classroom problems, and assesses teacher-student bibl offered on demand.	iographic material.
CHIS 566	Contemporary African American History	3 Credits
Reading and re	esearch seminar exploring selected aspects of post-World War II developments among Af	rican Americans.
CHIS 574	Post-Industrial America	3 credits
Examination o	f the evolution of American society after World War II.	
CHIS 575	Intellectual and Cultural History of the United States	3 Credits
Study of select	ed aspects of American thought and cultural development with attention to changing rac	ial ideologies.
CHIS 576	Social and Economic History of the United States	3 Credits
Survey of sign centers.	ificant social and economic trends and problems with emphasis on the treatment of bla	ck people in urban
CHIS 602	Black Metropolis	3 Credits
Reading semin	ar concerned with the movement of black people to urban centers.	

CHIS 603	Seminar in African-American History: The Antebellum Period to 1877	3 Credits
Research sem	inar on selected pre-Civil War aspects of African American history.	I
CHIS 604	Seminar in African-American History: Post-Civil War Period	3 Credits
Research sem	inar on selected post-Civil War aspects of African American development.	
CHIS 605	Independent Study	1-3 Credits
	ive students under the supervision of the instructor an opportunity to pursue in-dep lasses. This course is offered on demand.	oth areas not covered ir
CHIS 606	The Black Woman in American History	3 Credits
Research sen black women	inar analyzing the role of women in the historical development of the United Stat	es with emphasis upon
CHIS 607	Community, Family, and Oral History	3 Credits
Seminar emp	hasizing approaches to study and research in oral history using the community and fa	amily as points of entry.
CHIS 680	History of Africa to 1800	3 Credits
Saharan Afrio African societ	L before 1800 with emphasis on the diversity of ethnic groups and the changing ies.	g nature of pre-colonia
CHIS 681	History of Africa since 1800	3 Credits
	social, political and economic development of Sub-Saharan Africa from 1850 to t a range of contemporary issues and themes.	he present with special
CHIS 682	Seminar in African History	3 Credits
Explores in-d	epth selected aspects of African history from earliest times to the present.	
CHIS 685	Christianity and Colonialism in Africa	3 Credits
emphasizing	examines the historical development of Christianity in sub-Saharan Africa du Church and State objectives, life in mission communities, mission education and we nt African religious movements, and the interplay of Christianity and African national	sternized elites, the rise
CHIS 691	Thesis Consultation	1 Credit
CHIS 695	Thesis Research	3 Credits
CHIS 767	The Modern Civil Rights Movement	3 Credits
	e social contexts, underlying themes, personal motivations, shifting geographie volvement in the move for African American social justice from the 1890s to the 196	
CHIS 777	The Atlantic World	3 Credits
	geographies of the African Diaspora, focusing on movement of peoples between and t African Slave Trade of the 1600 and 1700s to current migrations.	hrough continents fron
CHIS 789	United States History Post 1945	3 Credits
	l ing on contemporary history of the United States. Brings study of African Amer l political trends and popular culture to the 21st century.	ican social movements

CHIS 795	Advanced Historiography and Methodology	3 Credits
Designed to t	ain master's students in methods of research, thesis writing and historiography.	
CHIS 780/781/ 782/783	History Internship I, II, III, IV	3 Credits
A variety of p Typically, stu	rograms are available that provide a planned, supervised, and practical experier dents engage in research, museum, library, or archival work for a public agency Approval of the Department Chair is required for academic credit.	
CHIS 801	Dissertation Consultation	1 Credit
CHIS 805	Dissertation Research	6 credits
CHIS 895	Advanced Graduate Course in Historiography and Methodology	3 Credits
Designed to t	ain doctoral students in advanced methods of research, thesis writing, and historic	ography.
CHUM 875	Humanistic Inquiry	3 Credits
	ndamental concepts and methods of humanities studies and research generally an lines in humanities including language, arts, literary criticism, and historiography.	
CHUM 876	The Person in History and Literature	3 Credits
	concept of "person" as a reflection of the ontological, ethical, and political premis ow concepts of personhood are embedded in historical and literary texts.	ses of various cultures an
CHUM 877	Literature and Popular Culture	3 Credits
	ndamental questions about the nature of contemporary culture by examining t	he structures, myths an
CHUM 878	Ideas and Exemplars	3 Credits
	he contexts and processes in which seminal ideas are created in a particular ethe inciples determining their transformation in subsequent epochs and in cultural dif	
CHUM 879	Interdisciplinary Seminar: Ethics and Social Philosophy	3 Credits
	ues such as pedagogical ethics, administrative ethics, and encourages students t rios, including choices that enhance social responsibility.	to make ethical choices in
CHUM 880	Special Topics: Contemporary Issues in Humanities	3 Credits
Explores cont	emporary issues and new disciplinary trends in the humanities.	I
CHUM 881	Teaching and the Humanities	3 Credits
	ious pedagogical theories and approaches in the humanities and explores strategi course designs, and classroom management and policies.	es for developing teachin
CHUM 882	Internship in Teaching	3 Credits
	cal classroom experience in applying the pedagogical principles, research, and met	hods studied in CHUM
	isite: CHUM 881.	

CHUM 885	Digital Humanities	3 Credits
Explores the e in humanities	emerging methodologies for using the electronic media in humanistic study as w	vell as electronic publishin
CHUM 886	Directed Research	3 Credits
Allows studer	ts to conduct individual research or participate in study abroad research under t	he guidance of a faculty.
CHUM 888	A Review of the Humanities	3 Credits
Provides a co	nprehensive examination of the major issues, controversies, ideas, concepts and	methods of humanities.
CHUM 891	Research Methods	3 Credits
discussions o	litative and quantitative approaches to conducting research as practiced in the l f issues of causality, validity, reliability, and the ethics of human research. T rch methods in humanities.	
CHUM 892	Research Design	3 Credits
	skills necessary to design and write a research project, develop and submit grand a dissertation prospectus. Additional emphasis is directed on writing as a cor	
CHUM 901	Dissertation Consultation	1-3 Credits
CHUM 905	Dissertation Research	1-3 Credits
CMAT 501	Calculus and Linear Algebra	3 Credits
This is a cours	be for non-mathematics majors who are deficient in the tools of calculus and linea	ar algebra.
CMAT 521	Real Analysis I	3 Credits
	iscusses limits of functions, sequences, continuity, differentiation, The Rieman ions, Theory of Lebesgue measure and integration.	nn Integral, sequences an
CMAT 522	Real Analysis II	3 Credits
	a continuation of CMAT 521. An expanded discussion of the Theory of Lebesguilbert spaces, product measure and product integration.	e measure and integration
CMAT 523	Complex Variables I	3 Credits
	cuses on the theory and applications of functions of a complex variable; topics ration, harmonic functions, conformal mapping and analytic continuation.	s include analytic functions
CMAT 524	Complex Variables II	3 Credits
	s a continuation of CMAT 523. An expanded discussion of the theory and apple is covered.	plications of functions of
CMAT 525	Algebra I	3 Credits
	t algebra, the course covers the basic theory of groups, Sylow theorems, rings, i anced topics include Galois theory and category theory.	ntegral domains, fields an
CMAT 526	Algebra II	3 Credits
	a continuation of CMAT 525. An expanded discussion of groups, rings, integral d and category theory is covered.	omains, fields and module

CMAT 527	Topology I	3 Credits
	cludes the study of topological concepts including metric and topological spaces, compactness and product spaces.	continuity, connectedness
CMAT 528	Topology II	3 Credits
	s a continuation of CMAT 527. An expanded discussion of topological conce aces, continuity, connectedness, completeness, compactness and product spaces a	
CMAT 541	Principles of Applied Mathematics I	3 Credits
	cludes the study of various techniques of applied mathematics including Green's fferential operators in Hilbert spaces, spectral analysis and Laplace transform.	functions, string vibration
CMAT 542	Principles of Applied Mathematics II	3 Credits
including Gre	s a continuation of CMAT 541. An expanded discussion of various techniques on's functions, string vibration, integral and differential operators in Hilbert spa orm is covered.	
CMAT 601	Probability Theory and Stochastic Processes I	3 Credits
	cuses on probability theory including central limit theorem and ergodic theory. cesses, independent increment processes and Gaussian processes.	Also included is study o
CMAT 602	Probability Theory and Stochastic Processes II	3 Credits
	s continuation of CMAT 601. An expanded discussion of probability theory, e ependent increment processes and Gaussian processes is covered.	ergodic theory, stationary
CMAT 605	Partial Differential Equations	3 Credits
The course is Hilbert space	a study of techniques for solving partial differential equations, including distribu nethods.	itions, Sobolev spaces and
CMAT 607	Introduction to Numerical Methods	3 Credits
The course in including erro	cludes a study of numerical algorithms for the solution of algebraic, different r analysis.	ial and integral equations
CMAT 608	Advanced Numerical Methods	3 Credits
	cludes a study of advanced techniques of numerical analysis including finite diff as for elliptic and parabolic equations. Also included are various functional analyti	
CMAT 609	Introduction to Control Theory	3 Credits
	ccuses on control theory including the calculus of variations, Hamilton-Jacobi nciple; topics include stochastic control depending on interest.	theory and Pontryagin's
CMAT 610	Foundations of Mathematics	3 Credits
	<i>y</i> basic concepts and ideas in the philosophy and foundations of mathematical sci udents.	iences, topics varying with
Students stud the needs of s		

CMAT 612	Theory of Sets	3 Credits
transfinite ari	ppics include the descriptive theory of sets and functions, the cartesian production the theory of sets and functions, the cartesian product the theory will ordered sets and cardinal numbers, and the equivalence of the axis rem and Zorn's Lemma.	
CMAT 615	Nonlinear Optimization I	3 Credits
	numerical treatment of finite dimensional nonlinear programming; Computationa blems; current developments.	l aspects of constrained
CMAT 616	Nonlinear Optimization II	3 Credits
	nuation of CMAT 615. An expanded discussion of analytical and numerical treatmo gramming and computational aspects of constrained extremum problems is covered	
CMAT 628	Functional Analysis	3 Credits
	, Normed Spaces, Banach Spaces, Hahn-Banach theorem, open-mapping theorem ak convergence.	, closed-graph theorem
CMAT 639	Differential Equations	3 Credits
Advanced cov	erage of Ordinary differential equations; topics varying with interest of the instructo)r.
CMAT 643	Operations Research I	3 Credits
	or analytical formulation of decision problems, including linear programming ramming, queuing models, replacement models, and stochastic processes.	, convex programming
CMAT 644	Operations Research II	3 Credits
This course is problems is co	a continuation of CMAT 643. An expanded discussion of techniques for analytical overed.	formulation of decision
CMAT 651	Topics in Mathematics	3 Credits
	s of current interest in the Department of Mathematical Sciences. Students will d project on a selected issue in the field of mathematics.	complete and present
CMAT 675	Thesis Seminar I	3 Credits
Students deve	lop a research topic leading to the completion of a graduate thesis.	
CMAT 676	Thesis Seminar II	3 Credits
Students deve	lop a research topic leading to the completion of a graduate thesis.	
CPAD 501	Public Administration: Survey of the Field	3 Credits
Public Admin administration exposed to th	I coductory course in public administration designed to provide students with a broad istration, both as an academic discipline and as a profession. It examines the on occurs and its relationship to the social and political environment in which it e various functions involved in administration of public policy and how to apply plin its implementation.	context in which publi exists. Students will b
CPAD 502	Organizational Theory and Bureaucratic Behaviors	3 Credits
components h examines con	l ocuses on the structure, process and role of individuals in organizations emphasiz ave to be coordinated to efficiently and effectively attain organizational goals and o cepts, models, paradigms and theories in the field of organization theory as the xternal organizational dynamics.	objectives. It defines an

CPAD 503	Research Methods	3 Credits
research meth on descriptive identification issues/proble	s designed to provide students with an opportunity to study and apply both qualitativ nods. This course teaches students the skills needed for problem analysis and critical inqu e research, other research designs and various data gathering techniques are examined of research issues/problems, the determination of appropriate research approaches ms identified, the formulation of relevant data analysis procedure and techniques, and t lts are examined.	ire. While focusing l. Additionally, the for exploring the
CPAD 504	Research Data Analysis	3 Credits
public program administrator	rovides an understanding of quantitative as well as qualitative techniques for analyzing ms and administrative problems. Explores the relevancy of quantitative and qualitative ar s face in public agencies. Students will learn to make appropriate use of applied research e computer programming in support of statistical analysis.	alysis to problem
CPAD 505	Economics for Public Administrators	3 Credits
	s designed to provide public administrators with the fundamental economic background implement public policy. Macroeconomic and microeconomic theories are used to devitions.	
CPAD 506	Public Budgeting and Finance	3 Credits
public budge legislative foc	includes an overview of the political and legal institutions in the budgetary process. The vector is, including political and economic, are explored. Additionally, students examine the on public budgeting. Budgetary analytical processes, operating budgets, capital budget processes are provide students with the ability to plan, develop, and implement budget	the executive and gets, and revenue
CPAD 507	Formulation of Public Policy	3 Credits
goal is to enab and, to attem Particular em processes and	s designed primarily to acquaint students with the public policy making process in the ple students to identify, explain and understand the structure, sources and processes of pu pt to use models developed by policy analysts and experts to analyze government polic phasis will be placed on the socio-economic and political variables that impact upon I on the utility of theoretical knowledge and research in the formulation, implementation is in the United States.	blic policy making cies and programs the policy making
CPAD 508	Human Resources Management	3 Credits
between man placed on cre resource func resources ma	his course is upon developing a full understanding of the nature of the working relatio agement and the worker within a productive environment. This type of environment, one eating a work situation which is mutually beneficial to both parties, is the primary for tion in public and private organizations. This course provides an overview of the historica nagement in the public sector, explores legal and constitutional structures, and develops and maintaining constructive relationships between these two competing groups.	where emphasis i ocus of the human al nature of human
CPAD 509	State and Local Government Finance	3 Credits
players and p debt, cash, inv also will be ex foster account the effects of government is demographic	overs the many aspects of financial management: the need for accurate forecasting, accour ressures of the budget cycle; the importance of local revenue sources; the need for sour ventory, purchasing and risk. Trends and issues that have emerged in state and local fina- caplored. Students study the impacts of the last decade of the twentieth century: national tability for performance in government; the effects of privatization and service contractin a slowed economy on revenue sources, property valuation, interest rates, and service involvement in economic development; globalization of the local economy, and oth patterns in metropolitan areas. This course focuses on management principles and practi- nd economic context within which financial management takes place.	nd management o incial managemen and local efforts to ag on local finance rice delivery; loca her economic and ces while outlining
	Program Design, Implementation and Evaluation	3 Credits
administratio the need to co	troduces students to the importance of program design, implementation and evaluation in n. It highlights essential steps and issues involved in the design of effective public program onduct good evaluation for these programs. In addition, the course examines how social is he design and evaluation of public programs.	ns and underscor

CPAD 511	Applied Urban Management	3 Credits	
The course will expose the students to the complex problems of managing urban America in the 21st century. Specific emphasis will be placed on the political environment of urban places with their diverse populations configured in dimensions of race, class and economic disparities. The overall goal of the course is to have the students gather general knowledge of urban America and acquire skills that may be applied in managing urban units of government.			
CPAD 512	Internship	3 Credits	
All pre-service students are required to complete an approved internship. The length of the internship must be a minimum of twelve (12) weeks and 480 hours of on-site work. The purpose of the internship is to provide students with practical hands on experience related to their areas of concentration. This experience should be in a position which provides students with entry-level administrative responsibilities and under the direct supervision of a person in the organization who has mid to executive level responsibility. Students participating in their internships are counseled on various aspects of practical administration. Discussions also focus on the identification of problems which will be used in the students final Exit Paper. Students are required to prepare a portfolio and submit a critical analysis of one of the required textbooks. See program advisor and internship coordinator for further guidelines.			
CPAD 513	Independent Study	3 Credits	
required readi and a major re	provided for students requesting special instruction in an approved concentration. S ng lists for analysis and discussion with the assigned faculty. Students also complete c search paper on a topic that has prior approval of the faculty. The student learning outc course for which the independent study is undertaken, e.g., CPAD 521, Principles of elopment.	ase study analysis omes reflect those	
CPAD 514	Public Management I	3 Credits	
In addition to politics of pu	designed to broaden the students' knowledge of the scope and character of managing ir exploring the traditional functions and behavior of public managers, this course will place blic management. Issues related to ethical behavior in public management will ttention will be given to current approaches to improve the management of public organ	e emphasis on the also be explored.	
CPAD 515	Comparative Administration	3 Credits	
national persp	ublic administration is the systematic study of public administration, policy and manage ective. It introduces students to a wide range of administrative systems with an empha racies. Selected administrative systems will be used in the study of comparative administ	sis on third world	
CPAD 516	Fundamentals of Social Policy	3 Credits	
The course is designed to define and understand basic concepts in the field of social policy to understand the philosophical justification for American social policies. To examine competing theories developed to analyze social policy. To identify, discuss and review the literature on social policies. To analyze specific policies for context and relevance to society. To discuss ethical questions associated with the implementation of social policies.		alyze social policy.	
CPAD 517	Labor Management Relations	3 Credits	
This is an introductory course designed to enhance the knowledge of students in the area of labor management relations and collective bargaining. The primary objectives of this course are to introduce students to the terminology, historical context and current trends in the area of labor management relations as they relates to both the public and private sectors. Due to the legal environment and political context in which the public sector operates it is important to distinguish the differences between the management of labor relations in the public versus the private sector. Finally, this course will allow students to gain hands on experience in resolving labor management issues by examining relevant case studies and participating in various role play simulations.			
CPAD 518	Strategic Human Resources Management Planning	3 Credits	
today's knowl human resourc mission and p	This course gives the student a practical overview of strategic human resources practices as tools for management in today's knowledge-based organization. The organization's need to link the accomplishment of its strategic mission to human resource activities is explored. Emphasis is placed on using individual HR functions for achieving an organization's mission and purpose. Human resources techniques and functions are addressed from the perspective of their ability to provide value-added assistance to achieving goals of the organization.		

CPAD 519	Development Management and Administration	3 Credits
This course provides a foundation for the study and practice of development administration emphasizing issues of societal change and development, administrative systems, processes, problems and techniques used mainly by developing countries to promote development.		
CPAD 521	Principles of Community and Economic Development	3 Credits
This course is designed to introduce students to concepts, theories and methods developed in the study of community and economic development. The role of the nonprofit organization, policy formation and the empowerment of citizens will be discussed.		
CPAD 524	Seminar Contemporary Problems in Urban Management	3 Credits
	s designed to explore through reading, discussion and research the characteristics, issue governing urban areas.	s, and problems of
CPAD 525	Seminar in Public Policy	3 Credits
acquaint them practical basis	primarily intended for students whose concentration or area of interest is in public polic with the most up-to-date literature in the field and to emphasize the philosophic and evolutionary trends of this field of study. The goal is to develop in these students the aluate the assumptions, theories, research methodology and application of public policie	al, theoretical and ability to critically
CPAD 526	Seminar in International Administration and Development Management	3 Credits
the unifying th	views the literature in the area of International Development Administration for the purp nemes in this subject area. The student will critically evaluate prevailing theories, notior t in order to understand and develop new approaches to development administration.	
CPAD 528	Seminar: Human Resources Management	3 Credits
This is the capstone course for the Human Resources concentration and is designed to provide students with the opportunity to focus on the role that human resources management plays in organizational goal attainment. Through assigned readings, in-class discussions, and out of class exercises, students will explore the concept of human capital as an organizational asset requiring investment and development. Particular attention will be focused on the use of benchmarking in developing strategic human resources management policies and practices and aligning them with the organization's mission, goals and objectives.		
CPAD 531	Seminar: Contemporary Problems in Community and Economic Development	3 Credits
The U.S. Economic Development Agency describes economic development as "fundamentally about enhancing the factors or productive capacity-land, capital, and technology of a national, state or local economy." In this course, the "community" in community and economic development (CED) activities comprises residents of a geographic neighborhood or multi-neighborhood area, no matter how they relate to one another. The challenges that are presented in the quest to improve productive capacity, and therefore economic status and quality of life, are numerous and varied. At the heart, often lie business management knowledge and skills and the availability and access to adequate start-up or productivity improvement funding. While the private sector can play an important role in encouraging economic growth through venture capital and other investments, the public sector plays an important role in developing tools and providing resources to generate employment and improved productivity. This course will address strategies and issues in CED, including policy alternatives at different levels of government, such as small business assistance, community-level technology-based development, as well as a range of financing mechanisms.		
СРНҮ 501	Classical Mechanics	3 Credits
Dynamics of particles and rigid bodies; the Lagrangian and Hamiltonian formulation; Poisson brackets, Hamilton-Jacobi Theory, classical scattering theory, theory of small oscillation.		
СРНҮ 503	Electrodynamics	3 Credits
Maxwell's equations and applications; electrostatics, dielectrics, magnetostatics, scalar and vector potentials; conservation laws; multiple moments and multiple radiation; dispersion; special relativity.		

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ng properties of
Credits
ructure, atomic ter.
Credits
wtonian fluids
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perties of solid
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vs, gamma rays
Credits //s, gamma rays, tions, counting Credits

Applied Quantum Mechanics II	3 Credits
	molecular, nuclear and
Departmental Seminar I	0 Credit
l graduate students in the Department.	
Departmental Seminar II	0 Credit
l graduate students in the Department.	·
Thesis Research	1-6 Credits
	oject including research
Non-Thesis Research	1-6 Credits
	which requires minima
Optical Fiber Measurements I	3 Credits
cludes a wide range of applications in both optical communications and sensors, us	
Modern Optical Measurements II	3 Credits
Advanced Optics	3 Credits
	unperturbed, perturbed
Philosophy of Science	3 Credits
Special Topics in Physics	3 Credits
	ory, elementary particle
Introduction to Atmospheric Sciences	3 Credits
tmospheric processes; spectroscopy of atomic and molecular species; photodynam l processes; instrumental techniques, including infrared, atomic emissions, and atom	
Departmental Seminar	0 Credit
Departmental Seminar eting of all members of the Department set aside for exchange of ideas among requently invited. Required of all majors.	
eting of all members of the Department set aside for exchange of ideas among	
	Image: constraint of the solution of selected problems in atomic, ysics. Prerequisites: CPHY 515, CPHY 516. Departmental Seminar I I graduate students in the Department. I graduate students in the Department. I graduate students in the Department. Thesis Research ssist students in the development, research, and writing of the thesis research protect writing, values assistance. Includes non-thesis research project writing, values and sasistance. Includes non-thesis research project consultation. Optical Fiber Measurements I co the hands-on experience needed to master the basic concepts and laboratory technologies as wide range of applications in both optical communications and sensors, us ibers. Modern Optical Measurements II of Optical Fiber Measurements II of Optical Precousite: CPHY 504. Philosophy of Science r

CPSC 503	Public Opinion and Propaganda	3 Credits
	ntify and explain public opinion; to describe how and why people react in social situation olic opinion and propaganda in contemporary society.	ons, and to consider
CPSC 504	Techniques of Political Control	3 Credits
	of the tools used by power holders to control society, with special attention to the c the United States.	ondition of African
CPSC 505	Political Parties	3 credits
	types, the nature and the different structures of political parties in America and abres are also explored.	oad; theories about
CPSC 506	Black Political Parties	3 Credits
	development of separate black political entities examined historically and contemposes of black parties and the rationale for their organization and development.	orarily; attention is
CPSC 507	Politics of Rural United States	3 Credits
Analysis of po	litical trends and movements in rural America.	
CPSC 508	Seminar in Southern Politics	3 Credits
	of Southern politics in state, nation, and the international arena; the approach re, with focus on blacks in the region.	is systematic and
CPSC 509	The United States Presidency	3 Credits
	e powers and organization of the U.S. presidency, with attention to power-gathering inch, and manipulation of the people.	, domination of the
CPSC 510	The Congressional Process	3 Credits
	he U.S. Congress, especially the internal structure, power uses, pressure politics, relations and intra-Congress conflicts.	executive relations,
CPSC 511	American Federalism	3 Credits
	origins, institutions and operation of federalism in the United States; the nature of th are examined in relationship to minorities.	is structure and its
CPSC 512	Black City Politics	3 Credits
the mechanic	assessment of the impact of the ascendancy of black elected officials in specified America s which brought blacks to power, problems blacks experience in exercising power, a the delivery and quality of city services.	
CPSC 513	American Political Process	3 Credits
	ctors, institutions and actors in the American political arena; study of access to var nizations from the view of all groups within a pluralistic society.	ous structures and
CPSC 514	Seminar in Judicial Process	3 Credits
Studies of co American par	art systems at each level, jury process, substantive judicial issues, with emphasis on ticipants.	the role of African-
CPSC 515	Legislative Process	3 Credits
	of theories, roles, structures, committee systems, procedures and politics of legistry of interest groups, executive, bureaucracy, and judiciary in the legislative process.	atures, and of the

CPSC 516	Seminar/Internship on the Georgia Assembly	3 Credits
During the a research pape	nnual legislative sessions, students serve as interns and participant-observer ers required.	rs of the Georgia legislature
CPSC 517	Women in Politics Seminar	3 Credits
	role of women as political activists and office holders on the international, n the participation of minority women in U.S. politics.	ational and local levels, with
CPSC 518	Seminar in Urban Problems	3 Credits
A rotating to announced ea	pic seminar involving in-depth exploration of problems common to major ich semester.	urban centers; topic will be
CPSC 519	Urban Politics	3 Credits
	emmas, limitations and potentialities of urban political activity in America o the study of urban politics and assessment of impact of blacks upon politi	
CPSC 520	Politics of Public Finance	3 Credits
	s and modes of government financing, especially those of local government, w vernment under black political authority.	vith attention to implications
CPSC 522	Urban Political Movements	3 Credits
	of political organizations seeking to create basic changes in public policy o ls, strategies and methods of these organizations and their impact upon the urba	
CPSC 523	Atlanta City Politics	3 Credits
	e political system in Atlanta with focus on resources, strategies and tactics of ta's politics, programs and developing political institutions.	of black and white actors in
CPSC 525	Political Demography and Urban Change	3 Credits
	ppact of population shifts and other demographic factors upon urban change; terns and resulting public policy.	special emphasis upon black
CPSC 526	Approaches to the Study of Urban Politics	3 Credits
	and critique of various conceptual schemes as tools for analyzing urban politica ical works purporting to explain urban political phenomena.	al development and review of
CPSC 529	Comparative Political Systems	3 Credits
	itical structures, institutions, ideologies, interest groups and governmental sesses, political conflicts and change, and group interaction; examination of mode	
CPSC 530	Government and Politics of Latin America	3 Credits
	of Latin American political institutions and political forces, with special attention d the legacy of European and U.S. exploitation.	on to role of the military and
CPSC 531	Politics in Developing States	3 Credits
	of political processes in developing countries; problems arising in transition strial states examined to describe typical patterns of political change.	from traditional societies to

CPSC 532	Political Institutions of China	3 Credits
	of contemporary politics in the People's Republic of China pre-1949 political history ty, structure and function of political institutions and organizations.	, socialist goals and
CPSC 533	Chinese Foreign Policy	3 Credits
	hinese capabilities, intentions and strategies in world affairs since 1949; examinati making and implementation; use of instruments of foreign policy in achieving Chinese g	
CPSC 534	Comparative European Government	3 Credits
Cross-nationa	l analysis of political institutions and political behavior in Eastern and Western Europea	in nations.
CPSC 535	The Politics of Revolutionary Change	3 Credits
	deas which generate fundamental change, leadership and movements which or f their successes and/or failures.	rganize change and
CPSC 536	Comparative Political Parties	3 Credits
	of selected party systems, including single and multiparty systems, Marxist and non-I lustrial and nonindustrial states.	Marxist systems, and
CPSC 537	Government and Politics of the Caribbean	3 Credits
	of political processes in Caribbean states with special emphasis on political problems status to independence.	arising in transition
CPSC 538	Seminar on Asian Politics	3 Credits
Survey of pol Japan.	itical processes within and interrelationships between major nations of Asia; focus	on China, India, and
CPSC 539	Third-World Women and Development	3 Credits
	s and role of Third-World women in development, governmental policies and practice nents and activities of Third-World women examined.	es toward women as
CPSC 540	The Politics of the Multinational Corporation	3 Credits
	ct of MNCs on the international system and national politics and economics, particularly usis on the issue of development, dependency, sovereignty and control.	in the Third-World
CPSC 541	Politics and Education	3 Credits
	of role of education in creation and maintenance of a political culture and role of politic education structures; the relationship between political education and political particip	
CPSC 542	Seminar on Comparative Politics	3 Credits
	advanced students concentrating in Comparative Politics; focus on readings and resear in comparative politics.	ch on selected topics
CPSC 543	Political Theory	3 Credits
In-depth anal	ysis of major schools of thought in the field of political theory from the classical period t	o the present.
CPSC 548	U.S. Constitutional Law	3 Credits
	aw of the United States Constitution through an analysis of federal court cases, Supre and secondary material.	me Court cases, and

CPSC 550	The Judicial Process	3 Credits
Introduction to the function of the judicial process in the U.S. political system with special attention to the politics of the judicial process.		
CPSC 551	The Constitution and Civil Liberties	3 Credits
Study of the judicial protection of rights and liberties under the Bill of Rights and the Thirteenth, Fourteenth and Fifteenth Amendments.		
CPSC 552	Seminar in U.S. Government and Politics	3 Credits
Explores conte	emporary issues and problems in American government and politics.	
CPSC 553	Blacks and the American Political System	3 Credits
	the position of blacks in the political system of the United States, with special atten gies for the present political epoch.	tion to alternative
CPSC 554	State and Local Politics	3 Credits
	f state and local political institutions; tools of political participation thoroughly analyzed; local politics assessed.	entrance of blacks
CPSC 560	African-American Political Thought	3 Credits
Analysis of cat	egories of black political thought; emphasis on meaning of theory related to black politica	ıl thinking.
CPSC 570	International Relations	3 Credits
	terlocking factors of geography, population, race, nationalism, and economics as func r; study of diplomatic, ideological, imperialistic and military rivalries in the contest for wo	
CPSC 571	Japanese Politics and Foreign Policy	3 Credits
Survey of cont	emporary Japanese politics, government and foreign relations; focus on post-World War	II period.
CPSC 572	International Relations of African States	3 Credits
Examination o	f relations among African states and their role in Third World and International politics.	
CPSC 573	United States Foreign Policy	3 Credits
Analysis of formation and execution of foreign policy; focus on role of domestic forces and governmental institutions in policy making and contrasting interpretations of U.S. foreign relations.		
CPSC 574	Third World Nations and International Politics	3 Credits
Role of policies, actions and techniques of Third-World nations in the international area analyzed for trends and continuities.		
CPSC 575	European Foreign Policies	3 Credits
Analysis of foreign policies of nations of Eastern and Western Europe with special attention to past and present colonial policies toward Third-World nations.		

CPSC 576	Military Power in International Relations	3 Credits
Military powe wars of libera	br as a technique to achieve goals in the international arena; special attention to contr tion.	emporary warfare and
CPSC 577	International Organizations	3 Credits
	elopment of world organizations; principles, structures, methods, and opera institutions; special attention to the United Nations and related agencies.	tion of internationa
CPSC 578	Colloquium on International Politics of Asia	3 Credits
	sian politics, comparative foreign policies, and international relations; focus or tions and role played by great powers.	n foreign relations o
CPSC 579	Politics of International Trade	3 Credits
	and analysis of the political forces which influence commerce among nations; spe veen industrial and nonindustrial nations.	cial attention to trade
CPSC 590	African Political Institutions	3 Credits
Comparative Prerequisite :	study of central, regional and local institutions of government and administration in CPSC 591.	contemporary Africa
CPSC 591	Government and Politics of Modern Africa	3 Credits
	y government and politics of the states of Africa, providing exposure to African poly kground, and to political trends and ideologies.	olitical culture and it
CPSC 595	Seminar in African Politics	3 Credits
focus or a co	y of one or more important issues in contemporary African political analysis, with mparative perspective; topics vary from semester to semester. <i>Prerequisites</i> : CPS by be taken twice for academic credit.	
CPSC 596	Politics in Southern Africa	3 Credits
examination of	e struggle of black people of Southern Africa against imperialism and settler colonial of the South African state's internal and external strategies of apartheid maintenance to bring black states with the white minority rulers and the liberation movements. Prere tructor.	ogether with relation
CPSC 598	African Political Economy	3 Credits
postcolonial A	ne social basis and the orientation of the politics and administration of economic Africa, with emphasis on the ideologies of socialism and the realities of neocolonial elopment. <i>Prerequisite</i> : CPSC 591.	
CPSC 599	Social Cleavages and Political Conflict in Africa	3 Credits
	nalysis of the cleavages in African social structure and their impact on political cor phasis on the role of ethno-regional groups and social classes. <i>Prerequisite</i> : CPSC 591	
CPSC 600	African Political Ideas	3 Credits
	e and resource mechanism designed to (1) identify political thinkers on the African c d (2) analyze works of major continental political thinkers of the contemporary era.	ontinent and research
CPSC 601	Philosophy of Science	3 Credits
	olved in scientific study of political society; epistemological consideration of "appro consideration of outstanding problems confronted by political scientists in their	

CPSC 602	Scope and Method of Political Inquiry	3 Credits
aims and hi	epts and methods of social science, especially of political science; philosophy of scie story of procedures and methods; research techniques, sources, bibliography a finvestigative results; required of all majors.	
CPSC 603	European Political Philosophy	3 Credits
	or ideologies of liberalism, socialism, conservatism that have developed in European p vith emphasis on the relationship of these ideas to European writings on colonialism ar	
CPSC 605	Seminar in Political Theory	3 Credits
	lack political theory that have developed since the end of the civil rights era; evaluation I theory and links between these concepts and historical problems considered in Afric	
CPSC 606	Feminist Theory	3 Credits
	analyzes various theoretical, strategic and political positions which characterize the led issues; special emphasis on study of black feminist theory.	iterature and study of
CPSC 608	Problems in Political Science Research	3 Credits
Intensive exa	mination of problems of conceptualization, design and experimentation in political scie	nce research.
CPSC 609	American Political Thought	3 Credits
Survey of idea	as, personalities and relevant ideologies that have evolved out of American political cult	ture and practice.
CPSC 640	Independent Research	3 Credits
	rive students opportunity for advanced research in such fields and on such topics as ndividual and the instructor. Students are permitted to take only one (1) Independent l	
CPSC 701	Thesis Consultation	1 Credit
CPSC 705	Thesis Research	6 Credits
Credits award	led upon completed thesis.	
CPSC 801	Dissertation Consultation	1 Credit
CPSC 805	Dissertation Research	12 Credits
Credits award	led upon completed dissertation.	
CSB 5210	Marketing Management	3 Credits
the student t	spective of the marketing manager, texts, readings, actual cases, and marketing-plan c o approach problems of planning and competitive analysis, policies and strategies, sibility in marketing. Producing an actual marketing plan.	
CSB 5410	Financial Management	3 Credits
environment, business situ forecasting,	ad exposure to financial issues useful to general management in an increasingly glo enables students to develop useful approaches in analyzing risks and financial re ations, and the process of reaching the optimum decision from their analysis. To working capital management, valuation, short-term financing, capital structure p ecisions. Prerequisite : CSB 6600.	eturns in a variety of pics include financial

CSB 5510	Introduction to Information Systems	3 Credits
	nformation processing techniques and equipment and their impact on the organization and provides opportunity for learning a programming language.	; exposes software
CSB 5512	Global Economics	3 Credits
Focuses on ag the economy.	gregative economics, magnitudes of output, employment, investment, savings and mone	y supply aspects of
CSB 5513	Managerial Economics	3 Credits
Focuses on th	e decision processes of consumers and firms and examines their interaction in the market	tplace.
CSB 5606	Advanced Auditing	3 Credits
variations in risks associat research mat	analytical procedures to understand a client's business; identify unusual trends, financial statements; evaluate the reasonableness of the numbers in financial statements ed with the audit; and plan the nature, timing, and extent of audit procedures. Studer rerials, databases, personal auditing experience, and practitioner sources to addres n analysis, teamwork, writing, and presentation skills. <i>Prerequisite</i> : CSB 6615 with a m	s; identify potential nts utilize available ss relevant issues.
CSB 5690	Fund Accounting	3 Credits
problems of n Accounting w	er course introducing basic concepts and techniques of fund accounting with reporting ot-for-profit organizations and governmental bodies. This course is not open to undergra ho have not been accepted to the Dual-Degree Program in Accounting. <i>Prerequisites</i> : nimum final grades of "C".	duates majoring in
CSB 5709	Managerial Communications	3 Credits
grammar app proposals; inc	ncrease knowledge of verbal, nonverbal and written communications that take place solications; effective letter writing, memoranda construction; preparation of executiv lividual and group oral presentations; and related office cases and exercises are emphas first year's core courses.	ve summaries and
CSB 5710	Organizational Behavior	3 Credits
Emphasis on organization s	developing understanding and knowledge of organizational behavior and human p setting.	erformance in the
CSB 5711	Management of Organizations	3 Credits
managerial to	nt's ability to analyze, understand, and design organizational systems; focus on organiz ol for influencing individual behavior; special attention on structure, the selection pro trol systems, and reward practices as means for affecting human behavior in organizat	cess, performance
CSB 5712	Legal, Social and Ethical Aspects of Business	3 Credits
	legal concepts and procedures as well as basic principles pertaining to fundamental bus identify the effect of laws on business policy decisions; social and ethical aspects of	
CSB 6200	Marketing Strategy	3 Credits
implementati	erature studies employed to provide the basis for the understanding of mark- on, and control functions. Preparation of a marketing plan is required; emphasis is on ariables in marketing (required for marketing concentration). <i>Prerequisite</i> : CSB 5210.	
CSB 6210	Marketing Research and Information Systems	3 Credits
Basic orientat	iences provide framework for understanding descriptive and analytical marketing re- ion to use of statistical techniques and structure and uses of marketing information syste ded. Prerequisite : CSB 5210. Experience writing research paper using SPSS to analyze da	ms by business and

CSB 6211	Distributive Systems in Marketing	3 Credits
	evolution, development, and dynamics of strategic distribution channel utilization nods from product to consumer are included. <i>Prerequisite</i> : CSB 5210.	and competition;
CSB 6212	Advertising and Promotion Management	3 Credits
philosophy an	lding, in a global setting, advertising campaigns that reflect integration of advert d current industry trends. Development and execution of a comprehensive advertising c sive plan of personnel organization, creativity, media, research, budget; coordin CSB 5210.	ampaign reflecting
CSB 6213	Consumer Behavior	3 Credits
characteristics	consumer buying behavior as a decision-making process involving perceptions, attituc s; by understanding the buyer's environment, shows how marketing effort may influence <i>equisite</i> : CSB 5210.	
CSB 6214	Industrial Marketing	3 Credits
market from	ities specifically related to industrial and commercial goods and services, which supply a managerial perspective; forecasting, planning and strategy are included. Digitiz l emphases. <i>Prerequisite</i> : CSB 5210.	
CSB 6215	International Marketing	3 Credits
process of pla	ndpoint of international managers, texts, cases, and research papers used to presen nning and executing marketing programs worldwide. International trade theories are o thical, and environmental emphases. Prerequisite : CSB 5210.	
CSB 6216	Dynamic Cases in Marketing	3 Credits
Seminar empl CSB 5210.	oying current complex cases for analysis and integration of the various marketing funct	ions. Prerequisite :
CSB 6217	Sales Management	3 Credits
	ting, training, motivating, compensating and evaluating sales personnel; it reflects ta cations, control functions, setting of personal sales targets, and feedback process. Prereq	
CSB 6218	Brand and Product Management	3 Credits
	agement of existing products and development of new ones; considers new product d screening, launch and post-launch controls, and abandonment. Prerequisite : CSB 5210.	
CSB 6219	International Business	2 Credits
international emphasis will	e concerned with study of global business environments as they affect the compet companies. Students are exposed to the diversity and complexity of international busin be on providing tools necessary to evaluate and take advantage of international busin hical, and environmental emphases.	ness relations. The
CSB 6364	Strategic Sourcing	3 Credits
modern organ instruments i	ddresses the strategic and operational role of the purchasing and supply managemen ization. The aim of this course is to get students acquainted with the fundamental con n areas such as strategic cost management, contract management, and total cost rerequisite: CSB 6512	ncepts, models and
CSB 6365	Logistics Management	3 Credits
of logistics cos	rovides an overview of key logistics processes, concepts, and methodologies. Emphasis is it, and service trade-offs among inventory, transportation, and warehousing activities, the ders, and the methods of measuring the value of logistics performance.	

CSB 6366	Process Principles and Tools	3 Credits	
This course teaches process management principles (i.e. Six-Sigma) as an organizational quality system and a set of statistical tools that have helped the world's leading companies save millions of dollars and improve customer satisfaction.			
CSB 6367	Modeling and Optimizing Supply Chain Processes	3 Credits	
evaluating and	designed to provide students with a variety of quantitative tools and techniques u optimizing operation processes. Students are oriented toward the creation and use of spision-making in industry and business.		
CSB 6411	International Financial Management	3 Credits	
management of which the fina Country Risk	Introduces the process of financial management in the international context; extends analysis of the financial management course to include effect of international forces on foreign investment and cash flows and develops strategies which the financial manager can use for effective management. Topics include study of international capital markets, Country Risk Analysis, Foreign exchange market, derivative instruments and risk management, financing international trade and capital budgeting in an international context. <i>Prerequisite</i> : CSB 5410.		
CSB 6413	Capital Markets and Investment Banking	3 Credits	
Examines role of investment banking firms in the capital acquisition process, from the points of view of security issuing firms and institutional and individual investors active in capital markets. Topics include the security issuance by both corporate and not-for-profit organizations, and the role of the investment bank in corporate restructuring and corporate control contests. <i>Prerequisite</i> : CSB 5410.			
CSB 6414	Management of Financial Institutions	3 Credits	
institutions. Se Pension Fund environment, management,	role of financial institutions in the financial system; with special emphasis on de- cudy of the different types of financial institutions that include Investment Banks, Insu- s, Commercial Banks and Savings and Loans. Analysis and discussion of the ch- the performance of financial institutions in this environment, asset-allocation decisi- international operations and the international financial system, asset securitiz topics in financial services. Teaching methods include lectures, cases and problem solve	anging regulatory ons, asset-liability zation and other	
CSB 6415	Real Estate Finance	3 Credits	
instruments, r may take only	chniques of analyzing and financing real estate investments. Topics include sources of ole of various financial institutions and the regulatory environment. Students with a co one real estate course to satisfy the Finance concentration requirement. Any other real a general MBA elective. Prerequisite : CSB 5410	oncerning Finance	
CSB 6416	Corporate Finance (Formerly Management of Financial Resources)	3 Credits	
Examines the long-term asset selection and allocation policies of corporations. Coverage includes advanced topics in capital budgeting, leasing, valuation of corporate assets, applications of options in Corporate Finance and interaction of investment and financing decisions. Teaching methods include case analysis, lectures and a term project. Computer usage required. This is a required course for all MBA students with a concentration in Finance. <i>Prerequisite</i> : CSB 5410.			
CSB 6417	Security Analysis and Portfolio Management	3 Credits	
Development and implementation of evaluative techniques of security analysis and portfolio management utilizing case analysis, lectures and problem solving. Securities analyzed include stocks, bonds, convertibles, asset-backed bonds, options and mutual funds. Examines risk and return characteristics in a portfolio management context. Emphasis on performance measurement, equilibrium pricing and valuation models, anomalies and other strategies. Teaching methods include case analysis and discussion. Prerequisite : CSB 5410.			
CSB 6419	Commercial Lending	3 Credits	
Focuses on development of skills necessary in designing loan contracts and other issues in credit analysis. Topics include loan pricing, syndication, private placements, project finance and loan workout situations. Lending to a variety of industries and businesses will be examined. <i>Prerequisite</i> : CSB 5410.			

CSB 6420	Real Estate Investments	3 Credits
emphasis on and public un estate course	atment of materials in SB 6415; looks at theory and practice of equity investments in commercial properties. Topics include impact of leverage, taxes, securities regulatio nderwriting of real estate investments. Students with a concentration in Finance to satisfy the Finance concentration requirement. Any other real estate course will Prerequisite : CSB 5410.	n, REITS, joint ventures may take only one rea
CSB 6476	Strategic Supply Chain Practicum	3 credits
managing org	rovides an integrated, comprehensive perspective of supply chain management cor ganizational changes imposed by organizational transformations. Course consists o pply chain management issues. Prerequisites : CSB 6364, CSB 6365.	
CSB 6510	Statistical Analysis for Business and Economics (Same as CECO 600)	3 Credits
	and application of descriptive statistics, probability, statistical inference, analys ultiple regression and design of experiments.	sis of variance, simple
CSB 6512	Operations Management	3 Credits
service sector	ity to recognize, analyze, and solve typical problems of production and operations rs. Topics include forecasting, TQM, JIT, allocation of scarce resources, strategic ca ity layout, CPM, PERT, inventory control for independent demand, MRP, and sup CSB 6510.	pacity planning, facility
CSB 6515	Systems Analysis and Design	3 Credits
techniques, ex comsecurity;	d specification of computer-based management information systems; analysis of var kamination of existing systems, new or modified designs, comparisons of software fe emphasis on management usage of systems, including examination of overall or ation. Prerequisite : CSB 5510.	atures and problems o
CSB 6517	Computer Applications in Decision Sciences	3 Credits
	introduce the students to theories and applications on optimization and simulatiolems, using software packages which are widely used in industry. <i>Prerequisite</i> : CSB	
CSB 6519	Database Management	3 Credits
	e basic features of data management, systems; definition and overview, desig nd data manipulation, physical storage of a database, security and query languages. P	
CSB 6523	Business Forecasting Methods	3 Credits
	nceptual framework of business forecasting methods. Students have hands-on exper orecasting techniques to real-world business problems, using software packages.	rience with applications
CSB 6600	Financial Accounting	3 Credits
	er course involving intensive study of financial accounting principles and concepts primarily financial in nature, about economic entities useful in making business decisi	
CSB 6610	Managerial Accounting	3 Credits
information, j	ter course involving intensive study of management accounting principles and primarily financial in nature, about economic entities useful in making business decis al Accounting with a minimum final grade of "C."	
CSB 6618	International Accounting	3 Credits
accounting in performance capital marke	primary issues in the area of global financial reporting with a focus on multination nplications, regulation of accounting and attestation in different countries, a in a global context. The class considers how international reporting requirements he ets and examines the current state of convergence toward global reporting standa 6 6610 with minimum final grades of "C".	nd reporting financia alp or hinder access to

CSB 6620	Cost Management Systems	3 Credits
Focuses on the analysis and reporting of resources costs and resource consumption explicitly directed at strategic management. The key elements to be studied are cost structure, value chain analysis, strategic cost management, and cost driver analysis in support of strategic and operational decisions. <i>Prerequisites</i> : CSB 6600 and CSB 6610 with minimum final grades of "C".		
CSB 6621	Current Accounting Theory and Practice	3 Credits
entities. The f cross-currency	financial reporting problems that arise from mergers and acquisitions and from compocus includes fair value accounting for business acquisitions, consolidation of financial translation of financial statement. Class time will include lecture, discussion, and CSB 6600 and CSB 6610 with minimum final grades of "C".	al statements, and
CSB 6623	Advanced Accounting Information Systems	3 Credits
	nting system data security, fiduciary and reliability risks and mitigating internal contro nd expense cycles and computer assisted audit techniques. <i>Prerequisite</i> : CSB 6600 a grades of "C".	
CSB 6628	Forensic Accounting	3 Credits
and legal coun	aud prevention and detection techniques, and an in-depth discussion of how to assist a sel with fraud investigations. Topics include investigating theft and concealment, conve try methods, and fraud reports.	
CSB 6630	Professional Accounting Internship	3 Credits
Professional accounting field work, under the direction of a faculty member, in a public accounting firm, corporate enterprise, or not-for-profit organization. Students gain relevant practical experience which builds on prior coursework and provides an experiential knowledge base for their remaining graduate coursework. <i>Prerequisite</i> : Permission of the Accounting Department Chair.		
CSB 6700	Entrepreneurship	3 Credits
development j entrepreneuria	ntroduced to elements of successful entrepreneurship, opportunity identification and associated and a successful entrepreneurship, opportunity identification and associated and a success means to each student, goal setting and visioning. Success means to each student, goal setting and visioning. Success through lecture material, experiential learning, videos and interaction.	omy balancing an Students will learn
CSB 6710	Business Policy	3 Credits
	of students' ability to integrate their knowledge of various functional fields of business making and administration from a top-management point of view. <i>Prerequisite</i> : Comple	
CSB 6711	Research and Reports	3 Credits
Designed to increase knowledge of analyzing business problems and preparing and reporting solutions to them through formal and informal reports and oral representations. Identifies business research problems; reviewing the literature; collecting data; investigating and analyzing practical cases in business and industry applying proper statistical treatment to data; writing reports; and making for presentations.		
CSB 6712	Industrial and Labor Relations	3 Credits
	istory and development of organized labor, collective bargaining, and government's rol ; consideration of the interaction of management and labor in relation to the bargaining p	
CSB 6715	Theories of Organizations	3 Credits
	theories relevant to the structures and functions of organizations and the behavior them. <i>Prerequisite</i> : CSB 5710.	of individuals and
CSB 6718	Personnel Management	3 Credits
Aids students in understanding current theories and emerging practices in developing a sound personnel program in today's organizations. <i>Prerequisite</i> : CSB 5710.		

CSB 6720	Entrepreneurial Thinking	3 Credits
financing. Coi	l aspects of starting a business: selecting promising ideas, initiating new ventures a neentrates on how ventures are begun, how venture ideas and other key ingredier now to evaluate new venture proposals. Explores business plan development.	
CSB 6721	Sports and Entertainment Marketing	3 Credits
marketing. En rights; busine	designed for students interested in application of marketing principles to sports, enter phasis is placed on the following principles as they apply to the industry: branding, liss foundations; concessions and on site merchandising; economic foundations; pro- human relations.	censing, and namin
CSB 6722	Legal, Social and Ethical Issues in the S&E Industry	3 Credits
intellectual pr sports, Olymp material is d agreements, la aspects of bot professional s reviewed at le	on of the sports and entertainment industry requires delving into the law of contra- roperty, torts, Internet and the U.S. Constitution. Our analysis begins by studying coll ic sports, and Title IX's impact on athletic opportunities for women. A significant amo levoted to surveying the major professional team sports including looking at c abor discord, privacy, salaries, drug testing and freedom of movement from team to h professional sports and movie industry are explored. This includes looking at team fra- sports and financing, producing, and distributing movies and TV. The role of the Sc ength. Agency law is also examined in the context of the relationships involving agents t celebrities and athletes.	lege sports, amateu unt of the classroon ollective bargainin team. The econom anchise movement i reen Actors Guild
CSB 6723	Managing and Operating in the Sports and Entertainment Industry	3 Credits
applications o	ffers an overview of the sport business and entertainment industry and examines f sport business and entertainment management in professional, collegiate, and Olympi ification, hiring and firing, and cultural, social and community issues are explored.	
CSB 6724	Entrepreneurial Thinking	3 Credits
venture, deve	rovides the student with an understanding of how to identify new ventures, evaluate the lop a Business Plan, determine which skills are necessary for success and building the aj e developer's personal entrepreneurial capacity.	
CSB 6725	Financing Entrepreneurial Ventures	3 Credits
	learn that the most difficult part of launching a new enterprise is financing. Various fina explored. Special emphasis will be placed on nontraditional and emerging financing t t.	
CSB 6726	Marketing the Entrepreneurial Venture	3 Credits
	explore the various options available to market their venture. Emphasis will be placed o trategies and tactics. Use of technology and social media will be reinforced and evaluate	
CSB 6727	Entrepreneurial Practicum	3 Credits
spend 6-8 we	eeks to immerse the student in real life experiences of an entrepreneur. Each student eks interning in a small business in order to better hone their understanding of being a s that each faces. Afterwards, the student will utilize the knowledge learned to comple	an entrepreneur an
CSB 7200	Special Problems in Marketing	3 Credits
Independent-	study course requiring pragmatic research. <i>Prerequisite</i> : Approval of the instructor.	1
CSB 7400	Special Problems in Finance	3 Credits
outside of the	opics course provides an opportunity for an in-depth study of selected contempora regular finance curriculum. The course can be repeated for course credit for different pproval of the instructor.	

pproval of the instructor. Advanced Topics in Supply Management wides in-depth treatment of one or more advanced area of supply management. The rerequisites : CSB 6364, CSB 6365.	3 credits
vides in-depth treatment of one or more advanced area of supply management. The	3 credits
	e topics will vary with
Advanced Topics in Transportation and Logistics Management	3 Credits
vides in-depth treatment of one or more advanced areas of transportation. The topi uisites : CSB 6364, CSB 6365.	cs will vary with each
Special Problems in Accounting	3 Credits
[•] course including discussions of selected issues in Accounting. <i>Prerequisites</i> : CSE grades of "C" and approval of the instructor.	3 6600 and CSB 6610
Marketing Management	1.7 Credits
ective of the marketing manager, texts, readings, actual cases, and marketing-plan of approach problems of planning and competitive analysis, policies and strategies, pility in marketing producing an actual marketing plan.	
Advertising and Promotion Management	1.7 Credits
ilding advertising campaigns that in a global setting reflect integration of adv current industry trends. Development and execution of a comprehensive advertising re plan of personnel organization, creativity, media, research, budget, and coordination	ig campaign reflecting
Consumer Behavior	1.7 Credits
onsumer buying behavior as a decision-making process involving perceptions, att by understanding the buyer's environment, shows how marketing effort may influer	
Marketing Research and Information Systems	1.7 Credits
nces provide framework for understanding descriptive and analytical marketing n to use of statistical techniques and structure and uses of marketing information sys ed.	
Brand and Product Management	1.7 Credits
gement of existing products and development of new ones; considers new prod screening, launch and post-launch controls, and abandonment.	luct strategy, concep
Marketing Strategy	1.7 Credits
rature studies employed to provide the basis for the understanding of man, and control functions. Preparation of a marketing plan is required; emphasis is riables in marketing. <i>Prerequisite</i> : CSB 8510.	
Global Marketing	1.7 Credits
dpoint of international managers, texts, cases, and research papers used to pres ning and executing marketing programs worldwide. International trade theories an ical, and environmental emphases.	
Sales Strategy	1.7 Credits
	 course including discussions of selected issues in Accounting. <i>Prerequisites</i>: CSE grades of "C" and approval of the instructor. Marketing Management ective of the marketing manager, texts, readings, actual cases, and marketing-plan of approach problems of planning and competitive analysis, policies and strategies, solidity in marketing producing an actual marketing plan. Advertising and Promotion Management idling advertising campaigns that in a global setting reflect integration of adv current industry trends. Development and execution of a comprehensive advertisir e plan of personnel organization, creativity, media, research, budget, and coordinatic Consumer Behavior mosumer buying behavior as a decision-making process involving perceptions, attiby understanding the buyer's environment, shows how marketing effort may influer Marketing Research and Information Systems nces provide framework for understanding descriptive and analytical marketing information systed. Brand and Product Management gement of existing products and development of new ones; considers new prod screening, launch and post-launch controls, and abandonment. Marketing Strategy ature studies employed to provide the basis for the understanding of marketing informations. Preparation of a marketing plan is required; emphasis is iables in marketing. <i>Prerequisite</i>: CSB 8510. Global Marketing Hopint of international managers, texts, cases, and research papers used to presing and executing marketing programs worldwide. International trade theories an ical, and environmental emphases.

	Financial Management I	1.7 Credits
Consequently, skills require environment. are essential a a conceptual u decision-maki	s the first of a two-part required (core) Financial Management course for the the course is designed to provide all MBA students (regardless of intended concentration d for them to function effectively as general managers in an increasingly global. The course introduces students to the different areas of corporate finance and in particula nd indispensable to all business students. The treatment of all areas is based on ensuring inderstanding of the theory and the application of these concepts to realistic situations ng in the major areas of business. This first part covers the following topics: financial s asting and working capital management.	n) the basic finance , multidisciplinary ar those topics that that students have for the purpose of
CSB 8440	Financial Markets	1.7 Credits
exist around t financial insti financial Instit swaps; and int	imarily prepares students for an understanding of the financial markets, instruments ar he world. The course provides an in-depth study of money and capital markets and t tutions. Topics include an introduction to the various types of financial assets, fina utions; regulation of the financial markets; financial innovations: derivative markets: fu terest rate determination. This MBAWP elective course requires that enrolled students h ounting course and Financial Management course with passing grades, in addition to all	he management o ncial markets and itures, options and ave completed the
CSB 8451	Corporate Finance I	1.7 Credits
making areas corporations ι	the first part of a two-module series on corporate finance. The objective is to study the foregraphic finance. Emphasis will be placed on the long-term asset selection policiender conditions of certainty and uncertainty. The first module focuses on advanced topical, capital expenditure analysis, leasing, and valuation analysis.	es of non-financia
CSB 8452	Portfolio Management	1.7 Credits
analysis. Secu funds. Examin	and implementation of evaluative techniques of security analysis and portfolio manager rities analyzed include stocks, bonds, convertibles, asset-backed bonds, derivative sec es risk and return characteristics in a portfolio management context. Emphasis on e	urities and mutua
	mance measurement, valuation models, and investment strategies. Teaching methods in	
CSB 8461		
This course is making areas corporations ι corporate fin	l	clude case analysis 1.7 Credits he major decision ies of nonfinancia itions of options in
This course is making areas corporations u corporate fin distributions.	Corporate Finance II the second part of a two-module series on corporate finance. The objective is to study to of corporate finance. Emphasis will be placed on the long-term asset selection polici under conditions of certainty and uncertainty. The second module topics include application ance, corporate restructuring, capital structure, long-term financing tactics and	clude case analysis 1.7 Credits he major decision ies of nonfinancia itions of options in
making areas corporations u corporate fin distributions." CSB 8462 This course is part of the Fin electives. In the and skills from financial polic formulation ar	Corporate Finance II the second part of a two-module series on corporate finance. The objective is to study to of corporate finance. Emphasis will be placed on the long-term asset selection polici under conditions of certainty and uncertainty. The second module topics include applica ance, corporate restructuring, capital structure, long-term financing tactics and This second module requires a comprehensive valuation project.	1.7 Credits he major decision- ies of nonfinancia ations of options ir methods of cash 1.7 Credits purse is an integra equence of finance rate the knowledge b) in the context of tructuring and the
This course is making areas corporations u corporate fin distributions." CSB 8462 This course is part of the Fin electives. In the and skills from financial polic formulation an	Corporate Finance II the second part of a two-module series on corporate finance. The objective is to study to of corporate finance. Emphasis will be placed on the long-term asset selection polici under conditions of certainty and uncertainty. The second module topics include applica ance, corporate restructuring, capital structure, long-term financing tactics and This second module requires a comprehensive valuation project. Financial Strategy and Policy an advanced, though brief, treatment of corporate financial strategy and policy. This con ance curriculum in the MBA for Working Professionals; it is the final module in a se tat respect, it is the capstone course in Finance. The objective of this course is to integr in the different sub-disciplines of finance (investments, corporate, markets and banking y and strategy in financial and nonfinancial strategy. The case method is used throughout the	clude case analysis 1.7 Credits he major decision ies of nonfinancia itions of options in methods of cash 1.7 Credits purse is an integra equence of finance rate the knowledge in the context o tructuring and the

CSB 8465	Global Business and Finance	1.3 Credits
all businesses manufacturing	vers the financial systems and processes used by multinational corporations, internatio engaged in cross-border trading, and foreign business activities, including foreign g. The course investigates and analyzes global transactions and the flow of funds from gl ents learn the use of hedging strategies to minimize the risks associated with global busin	units engaged in obal commerce. In
CSB 8610	Financial Accounting	1.7 Credits
information, p	er course involving intensive study of financial accounting principles and concepts to prorimarily financial in nature, about economic entities useful in making business decising the Working Professionals Master of Business Administration degree program.	
CSB 8621	Financial/Managerial Accounting	2.3 Credits
provide information information in the second secon	er course involving intensive study of financial and management accounting principle mation, primarily financial in nature, about economic entities useful in making b Acceptance to the Working Professionals Master of Business Administration degree Il Accounting with a minimum final grade of "C."	usiness decisions.
CSB 8632	Managerial Accounting	1.7 Credits
information, p Acceptance to	er course involving intensive study of management accounting principles and con- rimarily financial in nature, about economic entities useful in making business decision the Working Professionals Master of Business Administration degree program agerial Accounting with a minimum final grade of "C."	ons. Prerequisites :
CSB 8711	Executive Leadership I	0.5 Credits
students will	investigate the leadership task, which face managers in companies with worldwide op identify the forces of global change and the strategic challenges, which they pre- students will examine the leadership characteristics required to manage global operat	sent to managers.
CSB 8721	Communications Workshop	1.0 Credits
CSB 8721A	Organizational Behavior I	1.3 Credits
decision, perce manager. Org understanding	motivation, values, attitudes and job satisfaction, group dynamics, personality, conflict, reption, etc. The overall objective of this course is to improve the skills you need to become anizational behavior, commonly referred to as OB, is an interdisciplinary field deg and managing people at work. The three basic levels of analysis in OB are individuated on the state of the state	ne a more effective edicated to better vidual, group, and
CSB 8721B	Executive Leadership II	0.5 Credits
students will	investigate the leadership task, which face managers in companies with worldwide op identify the forces of global change and the strategic challenges, which they pre- students will examine the leadership characteristics required to manage global operat	sent to managers.
CSB 8731	Organizational Behavior II	1.3 Credits
decision, perce manager. Org understanding	motivation, values, attitudes and job satisfaction, group dynamics, personality, conflict, reption, etc. The overall objective of this course is to improve the skills you need to become anizational behavior, commonly referred to as OB, is an interdisciplinary field deg and managing people at work. The three basic levels of analysis in OB are individed. To be an effective manager, it is essential that one have practical knowledge that spanse behavior.	ne a more effective edicated to better vidual, group, and
CSB 8731B	Executive Leadership III	0.5 Credits
students will	investigate the leadership task, which face managers in companies with worldwide op identify the forces of global change and the strategic challenges, which they pre- students will examine the leadership characteristics required to manage global operat	sent to managers.

CSB 8740	Managerial Communications I	1.0 Credit
This is a first course focusing on enhancing participants' ability to communicate effectively in both formal and informal work settings. The course content covers three major components of communication: written, spoken and non-verbal. The course will prepare participants to meet the communication requirements of business professionals. Exercises, cases, and use of audio-visual aids will help participants improve their communication skills.		
CSB 8741	Executive Leadership IV	2.5 Credits
students will	investigate the leadership tasks, which face managers in companies with worldwide of identify the forces of global change and the strategic challenges, which they pres students will examine the leadership characteristics required to manage global operat	sent to managers.
CSB 8745	Business Legal Issues/Business Ethics	1.3 Credits
	legal concepts and procedures as well as basic principles pertaining to fundamental bus identify the effect of laws on business policy decisions; social and ethical aspects of	
CSB 8751	Executive Leadership V	0.5 Credits
students will	investigate the leadership tasks, which face managers in companies with worldwide of identify the forces of global change and the strategic challenges, which they pre- students will examine the leadership characteristics required to manage global operat	sent to managers.
CSB 8752	Managerial Communications II	1.0 Credits
This is a second course focusing on enhancing participants' ability to communicate effectively in both formal and informal work settings. The course content covers three major components of communication: written, spoken and non-verbal. The course will prepare participants to meet the communication requirements of business professionals. Exercises, cases, and use of audio-visual aids will help participants improve their communication skills.		
CSB 8761	Executive Leadership VI	0.5 Credits
students will	investigate the leadership tasks, which face managers in companies with worldwide of identify the forces of global change and the strategic challenges, which they pres students will examine the leadership characteristics required to manage global operat	sent to managers.
CSB 8510	Statistical Analysis I	1.5 Credits
Use and applic	ation of descriptive statistics, probability, statistical inference, and analysis of variance.	
CSB 8514	Information Systems I	1 credit
This course is resource plan	an intensive survey of technologies used to support selected aspects of electronic comme ning.	rce and enterprise
CSB 8515	Economic Analysis	1 E Cuadita
An introduction to microeconomic analysis from a practical business perspective. Topics covered include supply and demand equilibrium, the principles of consumer choice, profit maximization, the effects of subsidies, price discrimination, price ceilings and floors and government regulation. The course provides a context for subsequent study of industry and corporate strategy.		
demand equili	on to microeconomic analysis from a practical business perspective. Topics covered in brium, the principles of consumer choice, profit maximization, the effects of subsidies, pr and floors and government regulation. The course provides a context for subsequent stu	ice discrimination,
demand equili price ceilings a	on to microeconomic analysis from a practical business perspective. Topics covered in brium, the principles of consumer choice, profit maximization, the effects of subsidies, pr and floors and government regulation. The course provides a context for subsequent stu	nclude supply and ice discrimination,
demand equili price ceilings a corporate stra CSB 8520	on to microeconomic analysis from a practical business perspective. Topics covered in brium, the principles of consumer choice, profit maximization, the effects of subsidies, pr and floors and government regulation. The course provides a context for subsequent stu tegy.	nclude supply and ice discrimination, dy of industry and
demand equili price ceilings a corporate stra CSB 8520	on to microeconomic analysis from a practical business perspective. Topics covered in brium, the principles of consumer choice, profit maximization, the effects of subsidies, pr and floors and government regulation. The course provides a context for subsequent stu tegy. Statistical Analysis II	nclude supply and ice discrimination, dy of industry and

CSB 8531	Production and Total Quality Management	1 Credit
various tools (quality, proce	rms Quality, SQC (SPC), and TQM. Provides an overview of continuous process improv designed to control and monitor the process. Discusses process control chart, Deming's ss capability, six sigma standard, Taguchi method, Pareto diagram, and Ishikawa diag rriteria for Deming Prize, Malcolm Baldridge Quality Award, and ISO 9000 series and ISO	s PDCA cycle, cost of gram. Compares and
CSB 8535	Global Economics	1.3 Credits
nature of cont	h a review of essential concepts in economics, this course focuses on the international emporary economic phenomena. Emphasis is on macroeconomics, rather than microeco applied to specific cases, such as economic relationships between the US and Japan	onomics. Theoretica
CSB 8540	Accounting Information Systems Analysis and Design	1.7 Credits
techniques, ex	d specification of computer-based management information systems; analysis of various camination of existing systems new or modified designs, comparisons of software featu urity; emphasis on management usage of systems, including examination of overall orga lation.	res and problems o
CSB 8541	Operations Management	1.5 Credits
service sector	ity to recognize, analyze, and solve typical problems of production and operations in s. Topics include forecasting allocation of scarce resources, strategic capacity planni CPM, PERT, inventory control for independent demand, MRP, ERP, and supply chain ma	ng, facility location
CSB 8544	Information Systems III	1.3 Credits
	nformation processing techniques and equipment and their impact on the organizatio and provides opportunity for learning a programming language.	n; exposes software
CSB 8550	Optimization and Simulation	1.3 Credits
are extensivel for optimizati in dealing wit	e students to the array of concepts, methodologies, and applications of optimization ar y used in academic and business environments. In addition to Microsoft ® Excel, two m on modeling and Crystal Ball for simulation modeling will provide the students with ha h real-world business problems. Students are given latitude to pursue topics in a rang ces in which they have a special interest.	ajor software, Lindo ands-on experiences
CSB 8561	Database Management	1.3 Credits
	examines the basic features of database management systems. Definitions and s, data description and data manipulation, physical storage of data, and controls.	l overview, desigr
CSB 8562	Business Forecasting	1 Credit
the future. A r	an important part of business management. No rational decision can be made without ange of forecasting methods and major issues in forecasting are addressed to improve for ty in decision making.	
CSB 8850	Integrative Capstone Business Project	2.6 Credits
emphasis on l "action" skills	project is designed to link both the theory and practice dimensions of business sooth content and process. Students are expected to apply relevant theories in their an through strategic decision-making and the development of recommendations for fue eal time" situation.	alysis but also build
CSCJ 500	Administration of Criminal Justice	3 Credits
	amines the decision-making guidelines of police, juvenile justice, court and correctional egard to the application of these guidelines are also reviewed.	agencies. Issues and
CSCJ 501	Sociological Theory	3 Credits
The course is	a graduate seminar in sociological theory. The focus is on analyzing generalizations of	lerived by sociolog

CSCJ 502	Criminological Theory	3 Credits
	s a graduate seminar in criminological theory. It is an introduction to theory in cr ning with an examination of the process of theory construction and the relationsh hodology.	
CSCJ 503	Research Methods I	3 Credits
	covers the general field of research methodology including an overview of the research in surveys, comparative studies, field studies, and experiments.	esearch techniques and
CSCJ 504	Research Methods II	3 Credits
	covers sociological application of specific research methods: conceptualization, d of scales, testing for validity and reliability of responses, and other measures. Prereq	
CSCJ 505	Statistics I	3 Credits
	descriptive statistical methods and tools used to analyze data and to quantified designed as a general review as well as an introductory course in social statistics.	y the data into usable
CSCJ 514	Law Enforcement Administration	3 Credits
	he role of law enforcement agencies, resource allocations, law enforcement policies justice system.	s, and its relation to the
CSCJ 516	Judicial Process: Court Systems	3 Credits
An overview criminal offer	and analysis of the legal transactions involved in the accusation, arrest, adjudica nders.	tion, and disposition o
CSCJ 517	Correctional Systems	3 Credits
A study and the field of co	analysis of correctional institutions, including historical developments, trends, alter rrections.	rnatives and changes in
CSCJ 518	Delinquency and Juvenile Justice System	3 Credits
	nalysis of the nature, extent, patterns and causes of juvenile delinquency; and and disposition of juvenile offenders.	the accusation, arrest
CSCJ 519	Practicum	3 Credits
A planned, si agencies.	pervised program of research, observations, study and work in selected criminal	justice and other socia
CSCJ 520	Urban Society and Culture	3 Credits
used to desc	relationships among environmental justice, violence, and environmental crime in ciribe, explain, and analyze the impact of these relationships on urban life. Connect de the base for discussions on the social and cultural environment.	
CSCJ 521	Population and Society	3 Credits
	to the study of population and its interactions with other aspects of society. E d environment, population trends, family structure and the status of women, and t	
CSCJ 526	Selected Topics Seminar in Sociology & Criminal Justice	3 Credits
	f major topics in the administration of justice, including protests in contempor d discrimination, social justice in a planned society, police corruption, police labor rrvival.	

CSCJ 531	Social Psychology	3 Credits
	of data, theory, and methodology currently utilized in a focus on the systematic nan social behavior.	study of the nature and
CSCJ 547	Sociology of Development	3 Credits
challenge for	d theoretical perspectives on development and underdevelopment, the global e today's underdeveloped technology, agriculture and industry, education, public population growth.	
CSCJ 553	Criminology and the Criminal Justice System	3 Credits
Presentation of justice.	of current data, theory, methodology, and practice relevant to study of criminal beh	avior and administration
CSCJ 555	Medical Sociology I: Health, Illness and Intervention Systems	3 Credits
these system	alth, illness, intervention systems and the contributions of social and behavioral so ns. Also examines issues of disease and ethnicity, health disparities, social r, alternative medicine, health care delivery, and international health among other to	demography of health,
CSCJ 557	Medical Sociology II: Aging and Dying	3 Credits
	ised on contributions of social and behavioral science studies of aging and dyi for this course.)	ng. (CSCJ 555 is NOT a
CSCJ 559	Deviant Behavior	3 Credits
Attention to contemporar	studies of mental disorder, addictive disorders, crime and delinquency and ot society.	ther social anomalies in
CSCJ 562	Social Stratification	3 Credits
Presentation gender, and a	of data, theory, and methodology of social mobility and internal division of societies.	ties based on race, class,
CSCJ 563	The Family	3 Credits
A review of t	he American family; its heritage, contemporary forms, functions, challenges, and futu	ire projections.
CSCJ 564	Comparative Gender Roles	3 Credits
A review of t	he significance of gender in social stratification, particularly as an intersection with r	ace/ethnicity and class.
CSCJ 565	Sociology of Education	3 Credits
	of data, theory, and methodology of systems in education; includes analyses of form roughout the lifespan.	nal and informal systems
CSCJ 571	International Criminality, National Security and Terrorism	3 Credits
	e various forms of international crime with an emphasis on terrorism focuses on t rnments to protect their national interests.	the policies and methods
CSCJ 575	Cultural and Social Anthropology	3 Credits
institutions a	of data, theory, and methodology on human diversity and the role of anthro across the world including family, education, religion, and the economic/politica aship, gender, ethnic conflict, and global relations in the context of culture,	al sector. Also examines

CSCJ 579	Cultural and Ethnic Relations	3 Credits
	of data, theory, and methodology in the study of relations between groups which differe as seen in international as well as domestic perspective.	er in race/ethnicity
CSCJ 580	Environmental Racism	3 Credits
making, enfo environment	e impact of institutional racism and health polices, industrial practices, governmental r rcement, and overall quality of life in communities of people of color. Also examines al protection and civil rights, the impact of the environmental justice movement al paradigm and on national environmental groups.	the nexus between
CSCJ 582	Comparative Criminal Justice Systems	3 Credits
	its' attention to the existence of four major world legal families - the civil law, common laving the sociology of law perspective.	w, socialist law, and
CSCJ 587	Urban Ethnography	3 Credits
	ion of qualitative research methods in studying social behavior; focuses on conducting hod of inquiry.	g field studies as a
CSCJ 589	Selected Topics Seminar I	3 Credits
	cs related to social, environmental, and criminal justice issues. Topics vary with new ory, and policy issues.	v developments in
CSCJ 590	Selected Topics Seminar II	3 Credits
	cs related to social, environmental, and criminal justice issues. Topics vary with new bry, and policy issues.	v developments in
CSCJ 603	Statistics II	3 Credits
utilizing corr	brovides skills to graduate students in inferential statistics. Students learn testing of sc elation analysis, analysis of variance, regression analysis and factor analysis. Detecting will also be covered during the semester. Prerequisites : CSCJ 503 and CSCJ 505.	
CSCJ 613	Independent Study	3 Credits
	give students in selected fields an opportunity to more intensely pursue research and/ eriences consistent with the completion of their program of study. Prior approval o	
CSCJ 801	Thesis Consultation	1 credit
Direct advise	ment with faculty in the completion of the thesis and research writing process.	
CSCJ 805	Thesis Research	3 Credits
Direct advise	ment with faculty in the completion of the thesis research.	
CSED 500	Communications Skills Examination	0 Credit
problem area	eive analysis of their reading and writing skills; identification of problem areas, practice as, tutoring in general test-taking skills. The communication skills exam is administer once in the spring semester. Successful students are exempted from the remainder of the	ed once in the fall
CSPA 056/506	Spanish for Graduate Students	3 Credits
Designed to peasy comprel	prepare graduate students for developing the foreign language reading and translation nension of scholarly articles in their subject area. The class meets three hours weekly for r 0 credits under CSPA 056). One does not need any prior knowledge of Spanish to be enro	one semester (may

CSPA 509	Directed Readings in Spanish I	3 Credits	
	y and investigation of a particular period or writer of interest to an individual studer consultation with the department chairperson must approve all special study project erepeated.		
CSPA 510	Directed Readings in Spanish II	3 Credits	
	y and investigation of a particular period or writer of interest to an individual studer consultation with the department chairperson must approve all special study project e repeated.		
CSPA 511	Spanish Phonetics and Pronunciation	3 Credits	
	nsular and Latin American pronunciation, intonation and phonetics with intensive prac the perfecting of a genuine Spanish diction through the aid of phonetic transcription and dio texts.		
CSPA 513	Advanced Spanish Grammar and Composition	3 Credits	
	fundamental grammatical principles of Spanish and the most difficult idiomatic and liter along with extensive oral and written compositions.	rary expressions o	
CSPA 514	Advanced Spanish Prose	3 Credits	
	esigned to sharpen the student's sensitivity to stylistic nuances in literary texts, this course complements CSPA 513 b acing emphasis on grammatical structure and stylistics within the framework of literary analysis and criticism.		
CSPA 515	History of Peninsular Civilization	3 Credits	
Spanish slave	political, social, economic and cultural history of Spain from the Middle Ages to the pre trade and the Golden Age. Course includes an extensive audiovisual component. Student dently on the Internet.		
CSPA 516	History of Latin American Civilization	3 Credits	
including the	Dolitical, social, economic, and cultural history of Latin America from pre-Columbian tin contributions of black Latin Americans and the struggle of indigenous groups. Course incomponent. Students should be able to work independently on the Internet.		
CSPA 517	Spanish Poetry	3 Credits	
Emphasizes d	evelopment of poetic schools from the Middle Ages through the twentieth century.	I	
CSPA 518	Cervantes	3 Credits	
	levelopment of Cervantes as a consummate prosaist; linguistic, philosophical, and litera nd significant minor works.	ry commentary or	
CSPA 559/560	Methods of Teaching Foreign Languages	3-6 Credits	
	ly of the most recently developed methods and techniques of foreign language instruction		
CSPA 620	Afro-Hispanic Literature	3 Credits	
Study of the " Afro-Antillear	tema" Negro and of the black writers of Latin American prose and poetry. Particular atten n literature.	tion will be paid to	
CSPA 622	Galdós, The Generation of 1868 and Naturalism	3 Credits	
Study of the v	orks of Clarín, Valera, Alarcón, Pereda, Palacio Valdés, Pardo and Blasco Ibáñez.		

CSPA 623	The Generation of 1898	3 Credits
	novel, poetry, drama and essays of Ramón del Valle-Inclán, Antonio Azorín, o Baroja, and Antonio de Machado.	, Jacinto Benavente, Miguel de
CSPA 625	The Twentieth Century Latin American Novel	3 Credits
experimentat	of the evolution of the Spanish American novel in the twentieth c ion and innovation in novelistic technique and "magic realism" in recent w ez and Isabel Allende.	
CSPA 628	Hispanic Minorities in the United States	3 Credits
	heritage, values, special concerns and the contribution to American culture of population growth in Hispanic communities throughout the United States.	of Hispanic Americans, and an
CSPA 632	Hispanic Writers of the United States	3 Credits
Literature as	group movement, periodicals as forums, as well as the works of individual wri	ters studied.
CSPA 640	Seminar in Comparative Black Literature	3 Credits
Selected rese literature.	arch problems comparing and contrasting traditions in Francophone, Afro-F	Hispanic and African-American
CSPA 650	Spanish Linguistics	3 Credits
	appreciation of the nature, function and structure of the Spanish language– cted readings, lectures and discussions.	–sounds, vocabulary, syntax—
CSPA 716	Comparative Romance Culture and Civilization	3 Credits
	study of Romance societies from their origins to the present with major em autions. This study will also include points of convergence from linguistic and c	
CSPA 717	Romantic to Modern Poetry	3 Credits
Development	of poetic trends, movements and philosophies in Spain in the nineteenth and	twentieth centuries.
CSPA 718	Modern Prose	3 Credits
desire of the	depth study of the nineteenth- and twentieth-century novel. The choice of nove instructor. Students should expect to read voluminous works of both centurio en about the works.	
CSPA 719	Classical to Modern Drama	3 Credits
	bus study of the Spanish theatre from 1550 to the present. Students should exprepared to identify the stylistic nuances of the various literary movements as	
CSPA 761	Spanish Seminar I	3-6 Credits
The examinat	ion, documentation, resolving and presentation of research problems in a spec	cific field.
CSPA 762	Spanish Seminar II	3-6 Credits
The examinat	ion, documentation, resolving and presentation of research problems in a spec	cific field.

CSPA 802	Dissertation Consultation	1 Credit	
CSPA 805	Thesis Research	6 Credits	
CSPA 806	Dissertation Research	6 Credits	
CSSW 500A	Autonomous Social Work Practice I	3 Credits	
Autonomous S Perspectives a both a method	The course provides foundation knowledge at the graduate level about generalist social work practice. Framed in an Autonomous Social Work Practice Model, the course content about matrix roles, Humanistic Values, and Afrocentric Perspectives are linked to the ecological system and strength perspectives. The course examines social work practice as both a method and process for intervention with micro and mezzo systems where the goal is to aid the client to achieve an optional level of social functioning within these systems.		
CSSW 500B	Autonomous Social Work Practice II	3 Credits	
The second course in the Practice Content sequences builds upon CSSW 500A. The course examines social work practice as both a method and process for intervention with mezzo and macro systems (small groups, organizations and communities). Primary attention is given to assessing the client's functioning within these systems.			
CSSW 501A	Concurrent Field Practicum I	3 Credits	
Concurrent Field Practicum I provide students with a supervised field experience in an agency setting using generalist social work skills appropriate at the graduate level. Students apply foundation knowledge, skills, values and ethics to practice. The practicum focuses on skill development, the nature of social systems, and the integration of social work theory and practice. Students are in the field for two days per week for twelve weeks during the semester.			
CSSW 501B	Concurrent Field Practicum II	3 Credits	
on skill develo	eld Practicum is a continuation of CSSW 501 – Concurrent Practicum I. The practicum oppment application of ethics to practice and the integration and application of social ents work in the field two (2) days per week for fourteen weeks during the semester.		
CSSW 502A	Concurrent Field Practicum III	3 Credits	
undergird the	n III provides students with direct practice experience reflecting a variety of theoreti students' practice focus. Critical thinking, knowledge and skills, values and ethics will be ries, through the application of advanced multilevel field activities.		
CSSW 502B	Concurrent Field Practicum IV	3 Credits	
activities build	m IV while anchored in a continuation of CSSW 502A provides students with opportu ling on advanced practicum knowledge. Students will be able to utilize advanced pra id intervention strategies in a variety of complex treatment settings across diverse popul	cticum knowledge,	
CSSW 503	Advanced Direct Social Work Practice	3 Credits	
This course is designed for students who have completed the foundation courses. Building upon 500-level Autonomous Social Work Practice courses, it extends the matrix roles and subsequent skills learned in autonomous social work practice to more complex individualized practice with client systems considering the multiple variables that affect their lives. Attention is given to the bio-psychosocial integrity of the client and to ethical issues.			
CSSW 504A	Advanced Direct Social Work Practice: Focus on Child and Family	3 Credits	
courses. It is c families within	direct practice course builds on the knowledge skills and values learned in foundation s lesigned to provide depth, specificity and advanced skills in assessment and interventior in the context of the multilevel systems. Students learn to identify and critique the cen- the process of assessment and treatment intervention with children and families.	with children and	
CSSW 504B	Advanced Direct Social Work Practice: Focus on Health/Mental Health	3 Credits	
This advanced direct practice focus course provides depth specificity and knowledge about advanced skills in assessment and intervention. Attention is given to client systems that experience or are at risk of experiencing problems in social functioning due to their health and mental health. The course focuses on knowledge, value, skills and strengths for effective practice to enhance clients' developmental capacities, problem-solving and coping skills.			

CSSW 506	Program and Organizational Development for Direct Social Work Practice	3 Credits	
This course provides students with advanced knowledge and understanding of organizational needs and identifies strategies and models for achieving these needs. Selected organizational development models are examined to determine their applicability to social service agencies.			
CSSW 508	Brief Interventions Methods	3 Credits	
This advanced direct practice course examines the theory and practice of brief treatment methods, including crisis intervention. It focuses on differential use of these approaches in social work practice. The features of treatment designs and processes that are critical to effective time-limited practice are considered, with emphasis on the characteristics of brief interventive methods with individuals, families and small groups. Particular attention is given to assessment and intervention in Planned Short Term Treatment.			
CSSW 510	AIDS: Psychosocial Issues and Intervention	3 Credits	
models of car contracting HI	This advanced course provides critical information on direct practice, prevention, education, intervention methods and models of care for working with people with HIV/AIDS. Additionally, the course focuses on high risk behavior for contracting HIV/AIDS. Prejudices, legal, spiritual, ethical, and other issues which confront social workers in direct practice with persons with AIDS are addressed.		
CSSW 511	Intervention Strategies with Children and Adolescents	3 Credits	
This course provides advanced knowledge and specialized skills for direct practice with children and adolescents who experience developmental issues and a range of psychosocial problems and social injustices. It examines practice issues relevant to culturally diverse children and adolescents, especially African American and Latino children and adolescents. This advanced direct practice course emphasizes resiliency and strengths in making assessments and interventions in various treatment settings: schools, child welfare agencies, and juvenile justice systems.			
CSSW 512	Intervention Strategies with Adults and the Aged	3 Credits	
This advanced course is designed for skill development and effective application in problem resolution with adults in their life tasks, and with older individuals and groups in the processes of aging. Emphasis is placed on intervention with primary care givers, health care and other providers, and the elderly. Emphasis is also placed on intergenerational concepts and differential approaches with the frail, disabled, and chronically ill in the context of their ethnic cultural milieu and the wider society.			
CSSW 513	Child Abuse and Neglect	3 Credits	
This advanced direct practice course provides a historical overview of value perspectives of children-particularly African Americans-and corresponding injustices, violence in relation to child maltreatment-views of diverse cultural and ethnic groups regarding child abuse and neglect, rights of children and parents. Core objectives of the course are to: 1) explore research findings on the prevalence of factors that contribute to child abuse and neglect; 2) understand knowledge about the types and causes of child abuse; 3) develop knowledge of and skills in investigation, assessment, case management, treatment approaches, prevention, and methods of evaluation of micro and macro systems.			
CSSW 514	Group Processes in Social Work Practice and Administration	3 Credits	
The primary focus of this advanced direct practice course is on theoretical knowledge and skill development for practice with task and treatment groups in child welfare, health/mental health, and school social work settings. The course builds on and integrates first semester content, humanistic values, autonomous social work practice, and the Afrocentric paradigm with strategies for assessing individuals and groups. Thus, the course equips students with advanced knowledge and skills to practice group work with diverse populations and with competence in and sensitivity to race, ethnicity, with competence in and sensitivity to race, ethnicity, community, culture, gender, and sexual orientation.			
CSSW 517	Community-Based Health Care	3 Credits	
This advanced direct practice course provides students with the opportunity to analyze health problems in a given community. Emphasis is placed on access and barriers at health services, the roles and functions of multi-disciplinary health teams, community needs assessment and interventions, and policy advocacy for change. Students learn methods of assessing community health issues, data analysis skills, resource identification, and health policy proposal and testimony skills for presentation to legislators on behalf of the community.			

CSSW 518	Community Health Promotion and Disease Prevention	3 Credits
This advanced direct practice course provides the opportunity for social work students to learn how to promote a community based health care and prevention program. The course also provides instruction in how to identify, analyze and eliminate barriers to community health services within communities.		
CSSW 520	Family Therapy	3 Credits
This is an advanced direct practice social work course designed to increase students' knowledge and skills for intervening with families. The course engages students in: 1) exploring the development of family therapy and the dimensions of family treatment in social work practice; 2) building on conceptual, analytical, land practice skills necessary for thorough use of family therapy models; 3) developing skills to assess family intervention and 4) identifying major research findings and issues in family therapy.		
CSSW 521	Supervision and Consultation in Direct Social Work Practice	3 Credits
This course provides concepts and principles of supervision and consultation. Attention is given to emerging trends and practices in supervision, staff development, personnel utilization and assessment. The course explores the history, roles, techniques and practices involved in the supervisory process. The course is designed for the experienced student who desires and expects to become an agency supervisor within the near future, and to assist practicing supervisors in developing additional competencies. Attention is given to issues of direct practice supervision and licensure.		
CSSW 522	Public Health Social Work Practice	3 Credits
This course prepares social work students for advanced practice in the area of public health with a focus on disease prevention. Students are introduced to the historical development of public health practice, current public health issues, policies and procedures, research, assessment, and intervention strategies. Professional values and ethics are promoted as a foundation for helping students accept the differences in health behaviors related to ethnicity, gender, race, culture, socioeconomic status, at-risk status, and sexual orientation. Students are exposed to content on humanistic values, Afrocentric Perspective and autonomous direct practice social work matrix roles as they relate to public health in social work.		
CSSW 585	Research Methods I	3 Credits
The course consection of the course condary data	n course provides instruction in basic logic, process, concepts and methods of applied so overs research methodologies and design to include interviews, focus groups, case a, record review, observation, and case file audits which may be applied to the investiga ndividual and program level. The course is intended to foster an appreciation of evalu	e studies, surveys, tion of social work
CSSW 586	Research Methods II	3 Credits
This course provides instructions in the computation, interpretation, and application of statistical procedures that can be used in social work research and in social work practice; it is designed to provide basic statistical skills that will enable the student to more systematically implement and evaluate social work practice intervention. Training in the SPSS for windows computer software package is provided.		
CSSW 589	Research with an Emphasis on Application	3 Credits
This course provides instruction in evidence-based practice as it relates to social work practice, theory, policy and research. Evidence-Based Practice (EBP) in Social Work is the planned use of empirically supported assessments and intervention methods combined with the judicious use of monitoring and evaluation strategies for the purpose of improving the psychological well-being of clients. EBP is expected to be goal directed and in the client's best interest in order to meet diverse population needs.		
CSSW 590A	Research Methods III: Thesis/Conceptual Paper	4 Credits
This course provides instruction, feedback, and support to develop and complete the student's thesis or conceptual paper. The course will also provide instruction in the computation, interpretation, and application of analytical procedures that can be used in social work research and evaluation. This course will culminate in the completion of the student's thesis or conceptual paper.		

CSSW 600A	Human Behavior & the Social Environment I	3 Credits
contemporary adolescence w	exposed to the ecological social systems perspective in which to understand huma contexts. A range of theoretical frameworks that addresses individual development vithin the family and social institutions will be explored. The Afrocentric perspection be the lens through which these issues will be addressed.	from conception to
CSSW 600B	Human Behavior & the Social Environment II	3 Credits
adulthood and organizations	on course expands understanding of individual growth and development from young d death. A range of theoretical frameworks that address individual developme and communities will be explored. The Afrocentric perspective and humanistic paradi these issues will be addressed.	ent within groups
CSSW 603	African-American Families	3 Credits
resultant surv families. An e	course examines historical and contemporary forces impinging upon African America ival strategies for these families. The Afrocentric perspective is used in discussing ecological/social system, "strengths" approach to the study of African American fami r viewing social problems, particularly those of a physical and emotional nature.	African Americar
CSSW 606	Alcoholism and Drug Dependency	3 Credits
psychological, strategies for i	d course examines major issues in alcohol and drug dependency. Attention is g economic consequences for families where there is alcohol and drug dependency ntervening with individuals and families from a range of ethnic and sociocultural backgr lness. Finally, the roles of social workers in the field of alcohol and substance abuse are o	 Prevention and ounds are explored
CSSW 609	Emotional Disorder of Children and Adolescents	3 Credits
	l course is designed to explore a range of factors, situations, and experiences that and progression of emotional disorders in children and adolescents.	contribute to the
CSSW 610	Integrating Practice and Human Development with an Emphasis on Ethics	3 Credits
across the life value system a	intended as a bridge course to integrate advanced social work practice skills and his span with an emphasis on ethics. Students will apply the principles of ethical decision-pproaches to the formulation of ethical issues explored in the context of biological, psycormal and pathological behavior.	making and various
CSSW 611	Psychopathology	3 Credits
The Diagnosti understanding	ill focus on the clinical process of assessment and diagnosis from the perspective of so ic and Statistical Manual of Mental Disorders (DSM-IV-TR) and other schemes human behavior, psychopathology, and mental disorders will be demonstrated and cri m of developmental theory is drawn upon to further promote students' understanding rventions.	for assessing and tically examined. A
CSSW 700	Social Welfare Policy and Services	3 Credits
needs of the profession. Sp	n course is designed to assist students in acquiring knowledge of the history of Americ poor and oppressed, including legislative policies, and the development and role pecial attention is focused on general social problems, children, family and health issue beginning skills for analyzing social welfare issues.	of the social worl
CSSW 706	Law and Social Work	3 Credits
the law. The co systems functi with lawyers a course, the stu respect to cou	designed to provide students with an advanced overview and analysis of social work a burse addresses various types of law-statutory, constitutional, regulatory, and common oning. It is not designed to turn professional social workers into lawyers, but rather t and the legal system less mysterious and more beneficial to the client population. At the udent is able to recognize how federal and state court systems operate, attain a level rt testimony, understand the value of effective social work advocacy, develop cogniza practice issues, and use basic legal terms and legal library resources for systems change.	law as it related to o make encounters e conclusion of this of confidence with

CSSW 709	Differential Policy Analysis	3 Credits
political skills or establish ne	on course builds on CSSW 700 and is designed to assist students in developing concept necessary to improve existing social policies, defeat policy initiatives incongruent and ew policies. Each student selects a social welfare policy or policy issues at the local, state, dvocacy action.	social work values,
CSSW 710	Social Welfare Policy with an Emphasis on Georgia Policies	3 Credits
	s designed to enable students to become more knowledgeable about various state-le rograms and their implications for diverse and at-risk populations.	evel social welfare
CSSW 800	Independent Study	1-3 Credits
topic of intere	ependent, advanced study course that is arranged between a faculty member and a stust to the student that meets academic and professional requirements of the MSW Program 3.8 GPA to qualify for this course. Permission of both the Director of the MSW Program.	am. Students must
CSSW 801	Integrative Seminar	1 Credit
students enro enables the st	d direct practice social work seminar is designed to integrate and synthesize the to lled in either the two-year, full-time, three-year, part-time, advanced-standing plan of s udent to synthesize, refine and demonstrate comprehensive understanding of the MSW manistic values, Afrocentric perspective, and autonomous social work practice roles.	study. This course
CSSW 900	Historical Analysis of Social Welfare and Professional Social Welfare Practice	3 Credits
United States	s concepts, ideas/issues and theoretical approaches utilized in the study of social well and globally. A variety of theoretical approaches and perspectives are utilized to under welfare policies and how these policies impact the academic study and profession of	stand the rationale
CSSW 901	Social Welfare and Professional Social Work Policy Planning and Development	3 Credits
	reates awareness of sequential policy development on several levels, as well as fosters n procedures, techniques and interventions that may be employed in the implementat	
CSSW 910	Research Methodology	3 Credits
	ovides an in-depth understanding of descriptive and inferential statistics that enable stud statistical analysis as used in the field of social work.	lents to master the
CSSW 911	Descriptive and Inferential Statistics	3 Credits
	rovides a dual focus. The major focus is on application of advanced research methods for e programs. The secondary focus is on the use of multivariate statistics and microcomp	
CSSW 912	Evaluative Research and Multivariate Statistics	3 Credits
formulation, c data presenta	overs aspects of research methodology for social work planning and administration is onceptual and operational definitions of variables, theory and literature selection, desigr tion; emphasis is placed on experimental and quasi-experimental designs and research applications in the analysis and presentation of data.	n, data analysis and
CSSW 913	Doctoral Seminar I	3 Credits
furthers the p	designed to teach students how to develop and refine a topic on which they may write the urpose of this course to teach students how to conduct a literature review based upon a to ite their dissertation.	

CSSW 914	Doctoral Seminar II	3 Credits
	a continuation of CSSW 913. It is designed to help students understand and apply various to collect and analyze data for conducting their research.	s research methods
CSSW 920	Organizational Development	3 Credits
organizational	designed to enable students to understand and apply various theories of planned of settings. Recognizing that organizations are organic living systems, the roles and comp evelop more effective organizations are explored. Primary attention is given to nonpr	etencies of leaders
CSSW 921	Planned Change in Complex Organizations	3 Credits
human service organizations	designed to examine the theory and language of complex organizations and to bette e organizations may be viewed as such. There is no doubt that the environments in wh operate have become considerably more complex. The communities served by th an and suburban, continue to experience major socio-demographic change.	ich human service
CSSW 930	Critique and Analysis of Managerial Theories	3 Credits
	ovides a critique and analysis of various administrative and managerial theories, princi a framework for assessing the potential applicability of selected managerial theories	
CSSW 931	Administration in Human Service Organizations	3 Credits
	ilds on CSSW 930 and is designed to help students strengthen their managerial skills and the them to function more competently as managers, and administrators of human service	
CSSW 995	Doctoral Dissertation	3-6 Credits
Dissertation w <i>a maximum o</i>	riting under the direction of the major professor including presentation of the Prospect f 42 credits.	us. Repeatable for