

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
2						
3	Interdepartmental					
4	Undergraduate courses					
5	CANS	150	Canada: Cultural Crossroads	199210	An interdepartmental introduction to the geography, history, government, economy, literature, art, and music defining Canada's individuality and international heritage. An examination of current issues on such topics as economic agreements, environment, education, health system, and multicultural relations.	I
6	HONR	189	Inquiries in Global Studies			I
7	HONR	298	Inquiries in Life Sciences			I
8	HONR	299	Inquiries in Special Topics			I
9	HONR	390	Honor Colloquium			I
10	LAS	101	Intro Latin-American Studies	200410	Overview of the history, development and current trends of Latin-American countries from conquest through present times, focusing on economic, sociological, and cultural tendencies including the recent Latino migrations to the United States.	I
11	WGS	499	Wom and Gender Study Capstone	201110	Students will develop and reflect upon their own intellectual framework for understanding our gendered environment, synthesize interdisciplinary knowledge, explore career possibilities, and complete an activist project that involves identifying and researching a social problem, participating in action to help alleviate that problem, and reflecting on personal development. Prerequisite: WGS 210 plus 9 hours of interdisciplinary women's and gender studies course work and permission of the program director.	I
12						
13	Department of Family and Consumer Sciences					
14	Undergraduate courses					
15	FCFA	488	Fashion Buy Merch Ecommerce	201510	Gives future fashion retailers the knowledge base to make decisions on buying and merchandising in various retail environments (e.g. store, catalog, e-commerce, m-commerce) to satisfy the customer and to maintain an adequate profit level. Demonstrates mathematical and computer skills in buying and merchandising through the development of a buying plan. Prerequisite: FCFA 384 and MGT 300; and MKG 300 or MGT 342. Prerequisite or parallel: FCFA 415.	I
16	FCFC	202	Child and Family Wellness	201510	Explore the concepts of wellness, emphasizing nutrition, health and safety as it applies to children and families. Increase awareness of the need for healthy environments and use of sustainable and age appropriate practices in environments with families and children.	I
17	FCFC	315	Infant Toddler Curr Envir	201510	Will discuss how optimum development of children ages birth to 3 is supported by age-appropriate curriculum, based on quality adult-child interactions and a well-designed physical environment in the out of home setting.	I

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1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
18	FCFC	250	Family Relations	201410	Focuses on family dynamics and interaction across a variety of family structures and backgrounds. Explores the impact of larger social systems on the family, changing concepts of family, and family processes throughout the life cycle. Emphasizes healthy interaction patterns and skills to strengthen family relationships.	I
19	FCFN	222	Advanced Culinary Techniques	201410	Fundamentals of planning, preparing, and serving financially responsible, appetizing and aesthetically appealing meals in a commercial kitchen environment. Attention is given to foods and learning the fundamentals of using commercial food preparation equipment and the use of computers in food service. Prerequisite: FCFN 110. Not open to students who have credit in FCFN 220. Open only to hospitality and food management majors.	I
20	FCFN	345	Macronutrients	201410	Introduces metabolic pathways, cellular metabolism, and various energy systems of the human body. Emphasizes the digestion, metabolism, transport, and excretion of macronutrients. Prerequisite: CHEM 360 and FCFN 340 and PHYS 215. Open only to those admitted to the dietetics major.	I
21	FCFN	363	Admin of Food and Nutr Systems	201310	A systems approach to foodservice management theories, concepts, and functions for integrated health care, public institutions, and nutrition care operations. Emphasizes the operational functions of purchasing, production, and administration of food and nutrition services.	I
22	FCFN	395	Food and Culture	201010	Explores the relationships between agricultural practices, diet patterns, food procurement and distribution, nutrition, and religious dietary doctrines from a national and global perspective. Emphasis on how culture, national and international policies, and belief systems shape food consumption patterns. Prerequisite: FCFN 240 or 275 or 340.	I
23	FCFN	396	Nutrition Counseling Practicum	201310	Individual counseling methods; behavior change theories; basic dietary, biochemical, and anthropometric assessment; and multi-culture customs and food practices. Application of theory and counseling skills in various community settings focusing on student's areas of interest. Thirty hours in-class; thirty hours supervised practicum. On-site experiences supervised and evaluated by a registered dietitian. Prerequisite: FCFN 345 or permission of the department chairperson.	I
24	FCFN	456	Community Nutrition	200810	Overview of community nutrition and nutrition education. Analysis of biological, economic, social, cultural, and policy issue affecting a community's nutritional status. Emphasis on federal food and nutrition programs and policy implications at the state and local level. Observation and participation in local nutrition programs. Prerequisite: FCFN 455.	I
25	FCID	115	Interior Materials and Appl	201410	Study of interior materials, finishes, furniture, and architectural components. Covers floor, wall, and ceiling finishes, furniture, cabinetry, and casegoods. Selection criteria, green design, cost, quality, application, sources, and specifications will be discussed and analyzed.	I

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1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
26	FCID	210	Hist and Theoretical Studies 1	201110	Chronological survey of the development of major historical periods and accompanying theoretical precedents that shape the design of the built environment from antiquity through the mid-18th century. This interactive course encourages students to articulate theories based upon historical precedents providing a catalyst for future design solutions. Prerequisite: FCID 110. Open only to interior design majors and minors.	I
27	FCID	225	Hist and Theoretical Studies 2	201110	Chronological survey of the development of major historical periods and accompanying theoretical precedents that shape design of the built environment from mid-18th century to the present. This interactive course encourages students to articulate theories based upon historical precedents providing a catalyst for future design solutions. Prerequisite: FCID 210. Open only to interior design majors and minors.	I
28	FCID	369	Internship in Interior Design	201510	Provides the opportunity for the student to work in an established internship setting in interior design, architecture, or related design firms to gain professional experience in the field of environmental design. Prerequisite: FCID 324 and permission of the internship coordinator. A total of 6 hours of credit may be earned. Open only to interior design majors.	I
29	FCID	424	Interior Design Studio 5	200810	Development and application of planning techniques, construction documentation techniques of larger scale commercial projects with focus on health care and office systems environments. Prerequisite: FCID 334.	I
30	FCPM	123	Interior Design Basics	200810	Introduction to interior graphic communication techniques and space planning for residential environments. Design considerations, selection, specifications, and calculations for materials will be discussed. Not open to interior design majors or minors.	I
31	FCPM	350	Residential Equipment & Tech			I
32	FCS	103		201510	Introductory course concerning the interdisciplinary nature of family and consumer sciences. Concepts include the profession's common body of knowledge, systems theory, sustainability of the environment, diversity, public policy, critical and creative thinking, professional ethics, and career exploration. Includes 24 hours of mandatory service learning. Open only to freshmen, sophomores, and juniors or by permission of the department chairperson.	I
33	FCS	403	FCS in Practice	201510	Examines the integration of all disciplines in family and consumer sciences to strengthen individuals, families, and communities. Emphasis is on research, public policy, multicultural environments, ethics, and lifelong learning in a global society. Career goals are assessed. Includes immersive learning component. Involves writing. Prerequisite: FCS 103, senior standing, or by permission of the department chairperson.	I
34	Graduate courses					

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1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
35	FCFN	680	Supr Pracs in Food Systems Mgt	200910	Application of management principles involved in the acquisition, production, quality control, distribution, and service of quality food in an acute-care environment; development of a philosophy of excellence in administrative leadership through supervision of foodservice personnel (360 clock hours). Prerequisite: permission of the department chairperson. Open only to dietetic internship students.	I
36	FCFN	681	Supr Pracs in Nutr Therapy	200910	Application of the healthcare team approach of dietary management to human pathophysiologic status through assessing, planning, documenting, and counseling individuals and educating groups in an acute care environment (520 clock hours). Prerequisite: permission of the department chairperson. Open only to dietetic internship students.	I
37	FCID	506	Design Theory and Criticism	200910	Provides the opportunity to develop intellectual and imaginative abilities through the study of innovative methodologies, scholarly design researches, the works of key design practitioners, theorists, and critics, evolving design postulations and conceptual articulations within social, cultural and economic developments over time.	I
38						
39	School of Kinesiology					
40	Undergraduate courses					
41	GERO	435	Aging in Communities	201410	Focus on community aging as it applies to all dimensions of life: biological, physiological, sociological, psychological, political, occupational, economical, educational, familial, and societal.	I
42	GERO	440	Women and Aging	201310	Typical lifespan occurrences that largely impact women such as elder caregiving, familial systems maintenance, widowhood, health changes, and economic issues will be explored. Historical and theoretical perspectives; introduction to health, psychological, and living issues; introduction to racial and ethnic diversity; and social relationships will also be covered.	I
43	PEP	444	Developing Health PE Classroom	201410	Focus will be on developing a classroom environment that cultivates optimal learning. This will include strategies in the areas of discipline, organization, management, engagement, and other needs in today's health and physical education classrooms. Prerequisite: PEP 161, 209, and 394; meet decision point 2 requirements; or by permission of the coordinator. Open only to health and physical education teacher education majors.	I
44	SPTA	305	Sport Finance	201310	A basic knowledge of the principles, processes, and strategies related to the economic and financial aspects of sport organizations. Introduces various financial aspects used in the current sport institutions and organizations including public subsidization of sports facilities, economic impact analysis, public-private partnerships, sources revenue for team operation, and related issues. Open only to sport administration majors with full acceptance status.	I

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
45	SPTA	470	Int and Comp Admin of Sport	201510	An investigation of the nature and role of the sport industry of different world regions. Includes an analysis of selected national systems, international and comparative sport management, and international sporting events in order to better manage the growing diversity in U.S. sport organizations due to growing migration of athletes, coaches, and professionals. Prerequisite: permission of the program coordinator. Open only to sport administration majors with full acceptance status.	I
46	Graduate courses					
47	EXSC	633	Seminar in Exercise Science	201410	In-depth study of a selected physiological parameter in relation to exercise and the environment. Specific topics include respiratory physiology, fluid-electrolyte balance, muscle physiology, environment, and exercise: one topic per semester. Prerequisite: permission of the program coordinator. A total of 18 hours of credit may be earned.	I
48	GERO	535	Aging in Communities	201310	Focus on community aging as it applies to all the dimensions of life: biological, physiological, sociological, psychological, political, occupational, economical, educational, familial, and societal. Not open to students who have credit in GERO 435.	I
49	GERO	540	Women and Aging	201310	Typical lifespan occurrences that largely impact women such as elder caregiving, familial systems maintenance, widowhood, health changes, and economic issues will be explored. Historical and theoretical perspectives; introduction to health, psychological and living issues; introduction to racial and ethnic diversity; and social relationships will also be covered. Not open to students who have credit in GERO 440.	I
50	GERO	605	Aging Well: A Systems Approach	201310	An application of the Fisher Institute Wellness Model to the processes of aging well. Seven dimensions of wellness will be examined, highlighting the potential for successful aging. Emphasizes mid-life to late-life challenges and how the principles of systems theory deepen understanding of wellness and aging.	I
51	SPTA	628	International Sport	201110	An investigation of the nature and role of the sport industry of different world regions. Includes an analysis of selected national systems, international and comparative sport management, and application of theory to manage the growing diversity in U.S. sport organizations due to growing migration of athletes, coaches, and professionals. Prerequisite: permission of the program coordinator. Open only to physical education and sport: sport administration majors.	I
52	WELN	645	Social Mkg in Wlns Mgmt Prac	201310	Social marketing is the use of marketing principles and a customer-driven approach when developing health behavior change strategies. This class focuses on helping wellness managers and other health professionals "think like a marketer" as they design, implement, and evaluate wellness-related programs.	I
53	WELN	650	Foundations of Wellness	201310	First-year introduction to a wide variety of concepts and foundational thinking associated with the notion of wellness. Encourages integrative thinking about the meaning and application of wellness in life and in relation to careers as managers in the wellness environment.	I
54						
55	School of Nursing					

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
56	Undergraduate courses					
57	NUR	300	Env Contexts in Hlth Care	201510	Multidimensional aspects of health based on ecological, economic, and ethical issues. Environment related to internal and external dimensions (psychological, social, cultural, spiritual, physical) of health. Environment and health care in individual, family, and community at local, national, and international levels. Prerequisite: junior or senior standing or departmental permission.	I
58	NUR	375	Economic Issues of Nursing	199610	Introduces basic concepts of economics in relation to nursing practice. Content will include the current and future economic issues facing the health care industry, especially those affecting nursing practice.	I
59	NUR	404	Community Health	201310	Applies nursing process with individuals, families, and aggregates across the lifespan in various community settings. Uses concepts of public health, nursing, health promotion, risk reduction, disease prevention, epidemiology, information/health care technologies, human diversity, research, and health care systems/policies emphasizing collaborative practice and use of community resources. Additional fees may apply. Prerequisite: HSC 180; NUR 322, 340, 370; PSYS 241 or SOC 382; all of these courses must have a grade of C or better; permission of the director of the school. Parallel: NUR 402, 406. Open only to nursing students and registered nurses.	I
60	NUR	456	Iss Hlth, Illnss and Aging	200210	Focuses on issues in health as a multidimensional experience for older adults. Includes the topics illness management, ethical decision making, health care delivery systems, wellness, disease prevention, family caregiving, economic perspectives, and cultural concerns. Emphasizes application of information by consumers and health care professionals, specifically nurses. Open to all students.	I
61	Graduate courses					
62	NUR	662	Hth Care Bus and Econ	201410	Focuses on principles of business, finance, economics, and health-care informatics utilized in developing and evaluating care delivery approaches within health-care systems and clinical practice. Emphasis on cost-effective practice initiatives for elimination of health disparities and improvement of health care outcomes.	I
63	NUR	744	Outcomes Res and Eval	200910	Focuses on the design and implementation of processes to evaluate health outcomes at patient, population, community, and health-care systems levels. Emphasis on the application of relevant outcomes research and evaluation findings for quality improvement at all levels of care. Prerequisite: NUR 730.	I
64	NUR	760	Population Focused Care	200910	Focuses on the advanced-practice nursing role in disease prevention and health promotion for populations. Emphasis on designing, implementing, and evaluating care that will eliminate health disparities. Global health issues are explored. Clinical experience will be in a population-focused care environment. Prerequisite: NUR 730.	I
65	NUR	764	Leader Hlth Pol and Adv Pract	201110	Explores the advanced-practice nurse leadership role at organizational and systems levels. Emphasis on the inter-professional dimension of health care with use of collaborative and consultation skills. Analysis, development, and implementation of health-care policies will be explored. Clinical experience will be in a leadership environment. Open only to DNP students.	I

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1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
66	NUR	780	Sem:AdvTops Mgt Client Hea III	201110	Explores current client health/illness management issues. Uses advanced levels of clinical judgment and systems thinking in evidence-based care to improve patient outcomes. Open only to DNP students.	I
67						
68	Department of Technology					
69	Undergraduate courses					
70	TCMP	380	Electronic Communication Admin	200410	A study of electronic communications methodologies in an enterprise network. Topics may include e-mail and groupware systems administration. Design, selection, installation, and management of these systems will be emphasized. Prerequisite: TCMP 111, 211, 311.	I
71	TCST	200	Site Preparation	200410	The study of the processes related to the preparation of a construction site. Specific topics include the fundamentals of surveying, soil types, and foundation systems.	I
72	TCST	261	Mechanical Construction	201410	The study of managing the construction of mechanical systems, including codes, design, methods, and materials related to plumbing, heating, ventilation, air conditioning, and fire sprinkler systems. Prerequisite: TCST 104 and 106 and 180.	I
73	TCST	262	Electrical Construction	201410	The study of managing the construction of electrical systems, including codes, design, methods, and materials. Prerequisite: TCST 104 and 106 and 180.	I
74	TCST	303	Highway Construction 2	200810	Highway construction methods and economic applications. Team development of construction scheduling and cost estimates for highway construction projects under closely simulated conditions. Prerequisite: TCST 302, 355.	I
75	TCST	350	Mechanical Electrical Systems	200410	The study of codes, design, methods, and materials related to electrical, plumbing, heating, ventilation, and air conditioning systems.	I
76	TCST	400	Const Proj Mngmnt	201010	The study of project management concepts, procedures, and practices common in the construction industry. Includes construction project management concepts, roles, and responsibilities; labor relations; administrative systems and procedures; cost control data and procedures, documentation at job site and office; change orders; submittal processes; quality control philosophies and techniques; and computer applications. Prerequisite: TCST 104, 180, 320, 355, or permission of the department chairperson.	I
77	TDPT	100	Technology and Society	199810	The history, development, production, use, and assessment of technology and an examination of its effects upon resources, individuals, society, and the environment.	I
78	TDPT	204	Energy Processing	199810	Examines sources and types of energy and common energy processing techniques. Emphasizes controlling and transmitting energy and the operation of energy conversion systems. Includes laboratory activities.	I
79	TDPT	303	Manufacturing Systems	200810	Manufacturing systems, tools, and processes are studied as they are applied to producing products. Laboratory experiences cover manufacturing systems emphasizing tooling design, automated manufacturing, and control systems. Includes laboratory activities. Prerequisite: TMFG 105 or TCST 106; TEDU 108 or permission of the department chairperson.	I

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1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
80	TDPT	360	Industrial Safety and Health	200010	Study of the practices used to establish a safe and healthful environment for industrial personnel. Includes the requirements of safety- and health-regulating agencies, and hazard recognition and correction.	I
81	TEDU	304	Transportation Systems	200810	Studies transportation technology as it is applied to vehicular and support systems for moving people and cargo in various environments. The effects of transportation technology on individuals, society, and the environment are introduced and explored. Includes laboratory activities. Prerequisite: TEDU 102, 108 or permission of the department chairperson.	I
82	TEDU	305	Technological Systems	201310	The study of technological systems involving communication, production, transportation, and bio-technologies. Classroom and laboratory experiences examine the nature of modern systems.	I
83	Graduate courses					
84	TEDU	510	Technology Use & Assessment			I
85	TCOM	601	Digital Storytelling 1	200610	Presents the nature of graduate education, including purpose of scholarly activity and the scholarly environment. Explores the storytelling process from concept development to presentation; the history of storytelling; the societal impact and value of storytelling; and the influence of technology on the storytelling process. Prerequisite: permission of the program coordinator.	I
86	TEDU	510	Technology: Use and Assessment	200710	Analyzes the use and assessment of technology. Topics include usability testing, user surveying, technology assessment techniques, environmental impact assessment, and forecasting.	I
87	TEDU	636	Implementing Communication TE	198810	A study of the concepts and strategies used in teaching communication technology classes (grades 6-12). Emphasizes graphic, electrical, visual, acoustic, and mass-communication systems and their effects on people and society.	I
88	TEDU	638	Implementing Mfg TE	198810	A study of the concepts and strategies used in teaching manufacturing technology classes (grades 6-12). Emphasizes industrial materials, processes, and management systems; their application to industrial enterprises; and their effects on people and society.	I
89	TEDU	639	Implementing Transportation TE	198810	A study of the concepts and strategies used in teaching transportation technology classes (grades 6-12). Emphasizes the design, use, and effects of transportation systems and related energy-conversion techniques in modern society.	I
90	TMFG	560	Occupational Safety and Health	200710	Study of the practices used to ensure a safe and healthy environment for industrial and educational sectors. Examines hazard recognition and correction and the impact of safety and health regulating agencies.	I
91						
92	College of Architecture and Planning					
93	Undergraduate courses					
94	CAP	101	Environment Design and Plan 1	198810	Basic problem solving related to abstract and historical and contemporary problems in environmental design. Elements of space, form, function, and human use as they affect the natural and built environments.	I
95	CAP	102	Environment Design and Plan 2	198810	Basic problem solving related to abstract and historical and contemporary problems in environmental design. Elements of space, form, function, and human use as they affect the natural and built environments. Prerequisite: CAP 101.	I

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96	CAP	198	Intro Arch, LA, Urb Plan	201210	A two-week workshop in environmental design and planning including lectures, field trips, and hands-on studio experience. Offered credit/no credit only. Open only to high school juniors enrolled in the College Summer Program.	I
97	Graduate courses					
98	CAP	505	Context for Design and Plan	199910	An intensive immersion introducing principles and introductory skills necessary to the design and planning of the environment. May include field study, historical case studies, philosophical issues, overview of professional practice skills, technology, vocabulary and concepts, and opportunities for interdisciplinary studies. Prerequisite: permission of the instructor.	I
99	UD	502	UD Studio 2: Urban Mobility	201310	Studio/project-based study of contemporary multimodal urban mobility systems. The interrelationship of pedestrian, as well as vehicular traffic systems and their impact on urban design and development are highlighted through complex urban design projects. Programming as well as implementation of contemporary mobility systems will be explored through research analysis and the study of implementation strategies. Prerequisite: permission of the MUD program coordinator. A total of 4 hours of credit may be earned, but no more than 2 in any one semester or term. Open only to College of Architecture and Planning students.	I
100						
101	Department of Architecture					
102	Undergraduate courses					
103	ARCH	103	Architectural Design Studio	200930	Introduction to architectural form manipulation skills in both green field and built environments. Focus on design moves linking concepts of site, schematic building structure, materials, and forces of human habitation. Design reasoning and spatial thinking, vocabulary, concept formulation, use of precedents, and basic investigative skills are linked to basic ways of building in both individual and collaborative design exercises. Prerequisite: graduate standing or permission of the program director.	I
104	ARCH	202	Architectural Design Studio		Conceptual architectural design and design methodologies in large-scale projects; introduction of architectural technology, research, analysis, and programming. Workshops in the exploration and development of visualization and communication skills at all stages of the design process.	I
105	ARCH	203	Arch Design Studio	200930	Design projects of moderate scale and complexity consider tectonic issues, enclosure, territory and movement paths. Projects address concepts of space and place in the context of a variety of building types, ordering systems, and theories. Continued development of digital and manual visualization methods. Prerequisite: graduate standing or permission of the program director.	I
106	ARCH	214	Methods and Materials		Methods and materials of architectural construction. Emphasizes interface of material selections and construction technology in the design, production and construction process.	I

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107	ARCH	229	Western Architecture		A survey of the major movements in Western architecture and urbanism from antiquity through the nineteenth century and an introduction to developments in vernacular and high-style architecture outside the West in pre-colonial and/or post-colonial periods.	I
108	ARCH	273	Environmental Systems 1	200410	Introduction to environmental systems in architecture with emphasis on passive interventions.	I
109	ARCH	301	Architectural Design	201310	Integration of all facets of design including design, research, programming, technology, function, human behavior, scheduling, time management, communication, use of materials, and systems. Workshops in the further exploration and development of visualization and communication skills at all stages of the design process. Prerequisite: ARCH 202.	I
110	ARCH	302	Architectural Design		A rigorous in-depth exploration of a selected topic in architectural design. Design studio and seminar in theories and principles related to selected topic.	I
111	ARCH	304	Architectural Design Studio	200930	Design of increasingly complex projects with documentation of structure, materials, construction methods, and life safety. Continued emphasis on concept development vis-a-vis historical and contemporary architectural thought and project context in all its dimensions. Reinforcement and application of sustainability principles including passive/active systems and day-lighting. Prerequisite: graduate standing or permission of the program director.	I
112	ARCH	329	Survey		Survey of the movements and major figures in architecture and design from the late nineteenth century to the present with consideration given to the social and cultural context of design ideas.	I
113	ARCH	373	Environmental Systems 2	201310	Application of the principles of physics to the design and engineering of environmental systems in buildings and technologies of active intervention. Prerequisite: ARCH 273.	I
114	ARCH	401	Capstone		Capstone project: a design-based study in-depth requiring students to reflect on and synthesize previous course work.	I
115	ARCH	402	Self study		Allows students to engage in architectural design projects on or off campus providing students a high degree of self-direction.	I
116	ARCH	405	Self study		Incremental version of ARCH 402 that allow students to engage architectural design projects on or off campus providing students a high degree of self-direction.	I
117	ARCH	406	Self study		Incremental version of ARCH 402 that allow students to engage architectural design projects on or off campus providing students a high degree of self-direction.	I
118	ARCH	428	American Architecture		American architecture and urbanism from its colonial beginnings to the present. Emphasizes European antecedents, transformation by American conditions and the rise of distinctly American architecture.	I
119	ARCH	440	History of Preservation		Survey of history and philosophy of preservation in the United States and Europe. Emphasizes the origins of current philosophies and approaches to preservation in the United States and the variety of organizations and agencies involved in preservation.	I

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120	ARCH	441	Preservation Legislation		Survey of fundamental legislation in the preservation field at federal, state and local levels. Emphasizes applying knowledge of laws and regulations to actual situations in practice. Survey of types of preservation planning used by federal, state and local governments.	I
121	ARCH	444	Historic Preservation Econ	201210	Developing skills in assessing the economics of preserving historic properties. Emphasizes exercises involving feasibility studies, pro formas, revolving funds, and identification of feasible users. Surveys also Main Street program and heritage tourism and heritage areas as revitalization techniques. Prerequisite: permission of the program director.	I
122	ARCH	447	Hist Pres Tech 1	201210	Survey of the materials and systems of construction used in historic buildings and the causes of deterioration, obsolescence, and failure in buildings. Emphasizes developing diagnostic skills through field investigations and laboratory analysis and exercises. Prerequisite: permission of the program director.	I
123	ARCH	449	Rehab of Historic Bldgs.		Survey of the methods and philosophies of conservation and rehabilitation for historic buildings. Emphasizes identifying appropriate solutions to problems of deterioration and appropriate rehabilitation and restoration approaches.	I
124	ARCH	473	HP Colloquium	201210	Seminar investigates how we have come to understand and value the past, scrutinizing disparate forms of preservation: environmental protection, building restoration, monuments and memorials, and ancestor worship, to foster an understanding of the sociocultural and historical complexities of preservation and concepts of history as they inform contemporary historic preservation work. Prerequisite: permission of the program director.	I
125	ARCH	498			Course if open for students to pursue on and off campus projects.	I
126						
127	Graduate courses					
128	ARCH	500	Architectural Design Studio	201510	A capstone project that continues a rigorous emphasis on all aspects of sustainability. This in-depth design study requires synthesis of previous course work. Prerequisite: graduate standing or permission of the program director.	I
129	ARCH	501	Architectural Design Studio		Graduate architecture studio involves work that is comprehensive in its conception, development and execution.	I
130	ARCH	506	HP Studio	201210	Selected problems and issues in historic preservation at all scales in an applied context. Opportunity to implement concepts learned in a creative environment. Field trips to project sites. Prerequisite: graduate status in the College of Architecture and Planning or permission of the program director.	I
131	ARCH	528	American architecture		American architecture and urbanism from its colonial beginnings to the present. Emphasizes European antecedents, transformation by American conditions, and the rise of distinctly American architecture.	I
132	ARCH	530	Arch in the Midwest		Analysis of the development of architecture, planning, engineering (canals, railroads, roads, bridges) and industrial architecture in the American Midwest from the frontier period through the twentieth century.	I
133	ARCH	540	Preservation in the US		Survey of history and philosophy of preservation in the United States and Europe. Emphasizes origins of current philosophies and approaches to preservation in the United States and the variety of organizations and agencies involved.	I

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
134	ARCH	541	Preservation Legislation		Survey of fundamental legislation in the preservation field at federal, state and local levels. Emphasizes applying knowledge of laws and regulations to actual situations in practice.	I
135	ARCH	544	Historic Preservation Econ	201210	Developing skills in assessing the economics of preserving historic properties. Emphasizes exercises involving feasibility studies, pro formas, revolving funds, and identification of feasible users. Surveys also Main Street program and heritage tourism and heritage areas as revitalization techniques. Prerequisite: graduate status in the College of Architecture and Planning or permission of the program director; ARCH 540. Not open to students who have credit in ARCH 444 or equivalent.	I
136	ARCH	547	Hist Pres Tech 1	201210	Survey of the materials and systems of construction used in historic buildings and the causes of deterioration, obsolescence, and failure in buildings. Emphasizes developing diagnostic skills through field investigations and laboratory analysis and exercises. Prerequisite: graduate status in the College of Architecture and Planning or permission of the program director. Not open to students who have credit in ARCH 447 or equivalent.	I
137	ARCH	555			Immersive away experience outside of the College consisting of a (14 week) professional internship or approved alternative.	I
138	ARCH	573	HP Colloq	201210	Seminar investigates how we have come to understand and value the past, scrutinizing disparate forms of preservation: environmental protection, building restoration, monuments and memorials, and ancestor worship, to foster an understanding of the sociocultural and historical complexities of preservation and concepts of history as they inform contemporary historic preservation work. Prerequisite: graduate status in the College of Architecture and Planning or permission of the program director.	I
139	ARCH	590	Independent Study			I
140	ARCH	598	Special Projects			I
141	ARCH	601	Architectural Design Studio		Graduate architecture studio involves topical architecture problems.	I
142	ARCH	602	Architectural Design Studio		Development and completion of a student-initiated and defined architectural design project.	I
143	ARCH	603	Architectural Design Studio		Provides students the opportunity to define, investigate and articulate a topic for the final project	I
144	ARCH	630	Fund of Hist Pres	200930	Introduces the special qualities of historic properties and the importance of such properties in providing a varied and interesting architectural character to communities and rural areas. Emphasizes skills in documenting historic properties and in developing familiarity with criteria and standards for identifying such properties and rehabilitating them appropriately. The economics of historic preservation, preservation law, and Section 106 reviews are also investigated. Prerequisite: graduate standing or permission of the program director.	I
145	ARCH	631	Life Safety	200930	Survey of topics relevant to life safety, encompassing wind, fire, ground motions, environmental conditions (including noise and criminal activity), home accidents, and matters pertaining to the Occupational Safety and Health Act (OSHA). Prerequisite: graduate standing or permission of the program director.	I

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
146	ARCH	640	History, Theory, and Criticism	200930	Examines contemporary architectural theory and criticism through the presentation and study of significant texts and buildings of the present and recent past. Introduces and investigates the formal, technological, social and cultural, political, and economic issues within the disciplines of architecture and design. Explores interactions between theory and practice, and examines strategies for the making of architecture. Prerequisite: graduate standing or permission of the program director.	I
147	ARCH	642			Examines contemporary architectural theory, criticism and practice through the presentation and study of significant texts and built form.	I
148						
149	Department of Landscape Architecture					
150	Undergraduate courses					
151	LA	100	Intro Landscape Architecture	198910	An introduction to landscape architecture: lectures, site observations, and environmental experiences that focus on landscape architectural practice, representative projects, philosophy, and areas of specialization within the field.	I
152	LA	201			Application of basic design principles, programming, and analysis to small-scale, site-specific landscape design problems. Visual and functional design principles as they relate to natural and cultural influences in landscape design.	I
153	LA	202			Design projects emphasizing park design, park and recreational master planning and open-space design in rural, suburban and urban settings.	I
154	LA	214			On-site studies of landscape architectural projects and practices, natural areas and historic sites and landscapes.	I
155	LA	215			Group field studies of landscape architectural projects and practices, natural areas and historic sites and landscapes.	I
156	LA	220	LA History 1	198910	The history of landscape architecture from ancient times to 1800. Examples of landscape expressions of the human-environment relationship resulting in the conscious shaping of urban and rural landscapes, and the creation of such landscapes as parks, gardens, and urban plazas.	I
157	LA	221	LA History 2	201310	The history of landscape architecture from 1800 to the present. Emphasizes the North American human-environment relationship, its relationship to European antecedents, and other cultural parallels in landscape design.	I
158	LA	270	Environmental Systems	198910	Qualitative investigations and analysis of landscape systems. Studies include the assessment of vegetation, climate, hydrology, soils, and subsurface geology as determinants of landscape architectural form; natural processes as they relate to the principles of landscape architectural construction.	I
159	LA	310			Experiential service learning design/build projects in landscape architecture.	I
160	LA	312			Principles and practices of landscape architecture engineering and construction emphasizing landscape materials, structures, planting and fabrication techniques, includes design implementation techniques and construction documents.	I
161	LA	341	Plants 1	199810	The study of woody and herbaceous plants, including plant identification and plant adaptation to urban and natural environmental conditions.	I
162	LA	342			The study of herbaceous landscape plants including plant identification and plant adaptation to urban and natural environmental conditions.	I

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
163	LA	401			The application of principles of landscape architectural design to large-scale landscape settings. Topics include land planning, visual quality management, and natural and cultural landscape resource management.	I
164	LA	403	Urban Design	201310	Design studio emphasizing the physical and socio-behavioral influences on the design of cities. Projects may focus on the design of new urban environments or the redesign and revitalization of existing urban centers. May include interdisciplinary studies. Prerequisite: LA 312 or 401 or permission of the instructor. Open only to LA majors.	I
165	LA	406			Design Studio emphasizing special or unique topics in landscape architecture.	I
166	LA	414	LA Engineering 4	201310	Advanced methods of landscape architecture engineering and construction/implementation practices. Subjects include advanced applications for construction documentation, Building/Site/Land Information modeling (e.g., BIM); documented sustainable design criteria/guidelines/techniques (e.g., SITES); landscape construction management; and post construction evaluation. Course topics may include advanced sustainable site construction and landscape engineering applications for lighting, water, material selection, and landscape management. Prerequisite: LA 313 or permission of the instructor. Open only to LA majors.	I
167	LA	420			Survey of the history, theory and methodologies of historic landscape preservation. Includes topics in both vernacular and designed historic landscape preservation, primarily in North America.	I
168	LA	430	Philosophy of Land Arch	198910	Readings, seminars, and lectures in the background and development of historic and contemporary philosophies of landscape architecture. Includes discussions of design and environmental issues, land use, and professional ethics. Prerequisite: LA 221 or permission of the instructor.	I
169	LA	451			Methods, procedures and case studies of landscape architectural research. Includes guided development of an individual research program and proposal leading to the landscape architecture comprehensive project.	I
170	LA	460			Methods and practices of the profession of landscape architecture. Subjects include business and governmental organization, elements of contract law, business management, marketing, professional licensure and ethics.	I
171	LA	490	Independent Projects	198910	An independent study in environmental topics. Prerequisite: approval of the program proposal by a faculty advisor, the professor responsible for study assessment, and the department chairperson. A total of 6 hours of credit may be earned, but no more than 3 in any one semester or term.	I
172	LA	498			Special Projects	I
173	Graduate courses					
174	LA	500	Context for Land Arch	200310	An intensive immersion introducing principles and introductory skills necessary to the design and planning of the environment. May include field study, historical case studies, philosophical issues, overview of professional practice skills, technology, vocabulary and concepts, and opportunities for interdisciplinary studies. Prerequisite: permission of the department chairperson.	I

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
175	LA	525			Theory, concepts, methods and case studies in historic design and cultural landscape preservation.	I
176	LA	573	Environmental Systems	199510	Qualitative investigations and analyses of and research in landscape systems. Studies include assessments of vegetation, climate, hydrology, soils, and surface geology as determinants of landscape architectural form; natural processes as they relate to the principles of landscape architectural construction.	I
177	LA	590	Independent Projects	198810	Independent study in environmental topics relevant to landscape architecture. Prerequisite: permission of the department chairperson. A total of 9 hours of credit may be earned.	I
178	LA	598			Special and timely landscape architectural projects undertaken by a group of students	I
179	LA	601			Design projects, exercises, lectures and field studies to develop awareness of principles and concepts integrating natural and cultural elements in the landscape.	I
180	LA	602			Continued applications of basic design principles, programming, and site analysis reinforcing design processes and visual thinking in the design of sites. Emphasizes open space planning and park design. May include projects in natural, rural and urban settings.	I
181	LA	603			Continued application of principles of landscape architecture to community and neighborhood-scale projects of increasing complexity, including housing, commercial and urban land planning and development issues. Additional issues addressed include human behavioral principles and planting design concepts as they relate to landscape architectural spaces.	I
182	LA	604			Staged projects progressing through regional land planning and site design scales. Includes landscape planning (manual or GIS), overlay assessments, historic and cultural landscape conservation planning and design and site design applications.	I
183	LA	605			Faculty-directed landscape architectural planning and design problems and projects at an advanced level.	I
184	LA	645			Use of plants as landscape-design elements; related specifications and detailing	I
185	LA	650			Theories and methods related to landscape planning, preservation and design	I
186	LA	651			Focus is on critical issues and the framing of meaningful questions appropriate to the discipline and profession of landscape architecture. Emphasis on basic and/or applied research skills; and preparation of research study report or proposal	I
187	LA	653			Directed and selected readings and written reports to broaden perspective in landscape architecture	I
188	LA	661	Design Studio		Theory and application in design communication, including free-hand and technical drawing and presentation skills.	I
189	LA	690	Independent Projects	198910	Independent study in environmental topics relevant to landscape architecture. Prerequisite: permission of the department chairperson. A total of 9 hours of credit may be earned, but no more than 3 in any one semester or term.	I
190	LA	698	Special Projects		Special and timely landscape architectural projects undertaken by a group of students	I
191						

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
192	Department of Urban Planning					
193	Undergraduate courses					
194	PLAN	100	Intro to Urban Planning			I
195	PLAN	101	Introduction to Planning	201510	Introduces students to the planning skills needed to help influence the direction and growth of communities and to help neighborhoods, cities, and rural areas strike a balance between development, the provision of essential services, and environmental protection. Offered on-line only to high school students. Not open to students who have credit in PLAN 100.	I
196	PLAN	202	Site Analysis and Design Princ.			I
197	PLAN	220	Growth and Evolution of Cities		Evolution theories and practice of urban planning, emphasizing the United States before 1940	I
198	PLAN	221	Hist and Thry of Plan 2	199410	Evolution of theories and practice of urban planning, emphasizing the United States since 1940. Interaction of public and private initiatives directed toward urban and environmental problems.	I
199	PLAN	240	Private-sector Land Devel		The process of private-sector land development, including market analysis and site selection, physical design, financing, legal constraints, and assembly of the development package.	I
200	PLAN	261	Dev of graphic skills for planners		Development of graphic and visualization skills for planners. Use of a variety of communication techniques and media for public presentation.	I
201	PLAN	302	Collection, Anly and Comm of Info		Collection, analysis, and communication of information for community- and county-scale economic development planning, including use and interpretation of published data sources, field surveys and inventories, and interviews, as well as development of comm	I
202	PLAN	303	Economic Development Studio	200010	Collection, analysis, and communication of information for community- and county-scale economic development planning, including use and interpretation of published data sources, field surveys and inventories, and interviews, as well as development of community assessment and recommendations. Prerequisite: PLAN 203.	I
203	PLAN	320	Statistics and Models in Urban Plan		Calculation, application and interpretation of statistics and quantitative models used in urban planning. Topics include association, variation, probability, sampling, regression and models for population forecasting.	I
204	PLAN	365	Econ Dev in Planning	198810	Strategies and tools for stimulation of local economic growth including government incentives, financing alternatives, and examples of public- private partnership in strategic planning.	I
205	PLAN	401	Small town planning		Analysis and application of planning skills in a real-world setting, involving an actual community or outside client. Emphasizes smaller town or rural planning issues	I
206	PLAN	404	Urban Design	200010	An exploration of the physical form of the public realm and how it has been shaped by social, economic, political, and cultural forces. Special attention will be paid to issues of identity, sense of place, placemaking, and sense of belonging.	I

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
207	PLAN	412	Intro to GIS for Urbn Plan	199210	Designed to introduce principles of GIS and GIS applications in an urban environment. Topics include GIS components, modeling methodology, and management of environments. Implications for urban and environmental policy development.	I
208	PLAN	413	Adv Conc in GIS for Urbn Plan	199210	Advanced topics in modeling and analysis of urban and regional environments. Techniques for database organization, database development, and analytical processes (algorithm development). Prerequisite: PLAN 412.	I
209	PLAN	421	Urban Land-use Planning	200210	Principles of urban land-use planning for newly developing areas and for changing older communities. Attention to environmental, efficiency, and aesthetic concerns in urban growth. Preparation of the comprehensive urban land-use plan.	I
210	PLAN	428	Urban Impact Analysis	198810	Techniques for estimating the environmental, socioeconomic, fiscal, and energy effects of proposed plans and development projects.	I
211	PLAN	431	Urban Transportation Planning	198810	Transportation planning methods and policy, including analysis of travel demand, links between land use and transportation, choice of transportation modes, and design of balanced transportation systems.	I
212	PLAN	439	Community Facilities Planning	198810	Design principles and economic conditions in planning for urban physical facilities, including recreation facilities, streets, sidewalks, drainage, water supply systems, sewerage, waste treatment, and others.	I
213	PLAN	452	Legal Tools for Plan Implementation		Legal tools for plan implementation, including zoning, subdivision regulations, planned unit-development regulations and other techniques for guiding urban development while balancing community interests and private property rights	I
214	PLAN	465	Origins of Comm Deve.		A participatory lecture course that looks at the origins of community development in urban neighborhoods throughout the United States. Examines the influences of the civil rights movement, housing policies and community activists who shaped the movement. Additionally, looks at the role of religious institutions in urban communities and current issues surrounding faith-based community development.	I
215	PLAN	481	Qualitative methods/techniques		Issues and qualitative methods/techniques useful to the planner's paramount responsibility: understanding/integrating local knowledge and values into the public decision-making process. Issues and theories of public participation. Methods and skill techniques of being informed by the public, of informing the public and of advancing planner/constituency collaboration.	I
216	PLAN	484	Visual Modeling	200610	Graphic design representation and presentation techniques. Introduction to "data mining" and computer-based applications in remote sensing, mapping, perspective drawing, and database graphics. Visual urban simulation using advanced digital applications, such as GIS. Introduction to terrain engines, VRML, and other rendering environments for the display of urban design alternatives.	I
217	PLAN	490	Ind. Study		Independent study in urban planning and development topics undertaken on an individual basis with guidance of a faculty member.	I
218	Graduate courses					

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
219	PLAN	501	Intro to contemp. Plann		Introduces the principles, practices and theory of contemporary urban planning. The community planning process and the substantive areas of planning practice are discussed. Students will be provided with the skills needed for preparation and implementation of a community's comprehensive plan.	I
220	PLAN	504	Urban Design	200110	An exploration of the physical form of the public realm and how it has been shaped by social, economic, political, and cultural forces. Special attention will be paid to issues of identity, sense of place, placemaking, and sense of belonging.	I
221	PLAN	506	Environmental Design Studio	198810	An interdisciplinary approach to the resolution of problems in environmental design. Appropriate projects to be determined in consultation between the students and faculty.	I
222	PLAN	512	Intro to GIS for Urban Plan	199210	Designed to introduce principles of GIS and GIS applications in an urban environment. Topics include GIS components, modeling methodology, and management of environments. Implications to urban and environmental policy development.	I
223	PLAN	513	Adv Conc in GIS for Urbn Plan	199210	Advanced topics in modeling and analysis of urban and regional environments. Techniques for database organization, database development, and analytical processes (algorithm development). Prerequisite: PLAN 512.	I
224	PLAN	521	Urban Land-use Planning	200310	Planning the uses of land in urban areas. Land-use determinants, standards at the community level, information systems, preparation of land-use plans, and development of land-use control policies at the urban and county levels.	I
225	PLAN	531	Urban Transportation Planning	198810	Transportation planning methods and policy, including analysis of travel demand, links between land use and transportation, choice of transportation modes, and design of balanced transportation systems.	I
226	PLAN	534	Regional Development Planning	198810	Seminar in techniques of regional planning analysis and policy formulation. Methods of integration of economic, ecological, and social objectives in regional development.	I
227	PLAN	538	Regional Land-use Planning	198810	Planning the uses of land at the regional, area, and state levels; interface between social, environmental, and land-use plans at the regional level; and land-use policies for critical-area management including the coastal zone.	I
228	PLAN	539	Public Facilities Planning	198810	An introduction to the planning of public facilities systems including street and highway systems, water systems, wastewater, and solid waste management.	I
229	PLAN	577	History of Urban Form	200110	An examination of the historical transformation of the urban form and its elements. Focuses on the physical organization of the city in relation to social, economic, political, and cultural forces that have shaped it. Special attention will also be paid to non-Western urban forms and histories.	I
230	PLAN	583	Site Analysis and Planning	200410	Range of practical approaches in evaluating and planning sites within the contexts of natural, economic, and cultural systems. Site inventory, analysis, and planning. Introduction of computerized platforms, integrating digital and physical representations to enhance planning and communication with the public. Required core course in the physical planning area of concentrated study (ACS).	I

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
231	PLAN	584	Visual Modeling	200410	Graphic design representation and presentation techniques. Introduction to "data mining" and computer-based applications in remote sensing, mapping, perspective drawing, and database graphics. Visual urban simulation using advanced digital applications, such as GIS. Introduction to terrain engines, VRML, and other rendering environments for the display of urban planning alternatives.	I
232	PLAN	585	Intro Comm Dev and Enter Plng	200410	Historical/comparative review of the real estate/community development practices, and emergence of enterprise planning. Development process attendant to each of the three economic sectors and to contrasting venues of economically/politically impacted areas ranging from inner cities to rural towns seeking revival. Methods of formulating action plans.	I
233	PLAN	581	Public Participation		Issues and qualitative methods/techniques useful to the planner's paramount responsibility: understanding/integrating local knowledge and values into the public decision-making process. Issues and theories of public participation. Methods and skill techniques of being informed by the public, of informing the public and of advancing.	I
234	PLAN	586	Methods of Public Interest Dev	200410	From an enterprise planning perspective, the rationale and methods of development. Finance: proforma, break-even cash flow, equity investment, lender underwriting, and gap financing analyses; public-private partnerships incorporating range of development inducements. Strategies for creating markets given disinvestment pattern. Managing community development organization and projects through development process.	I
235	PLAN	590	Ind. Study		Relevant research or a project under the direction of the planning faculty.	I
236	PLAN	598	Looking at Cities		To read and understand urban environments. To interpret the evidence of change. To reflect on past educational experience and future professional role as an environmental designer.	I
237	PLAN	604	Seminar		Advanced seminar to explore the application of planning theory to planning practice and management. Issues of planning ethics, roles, styles, and strategies, including citizen participation, for effective plan making and implementation	I
238	PLAN	605	Graphic Tech		Introduction to graphic techniques and design processes. Lecture and studio exercises on problem solving and public presentation of findings.	I
239	PLAN	610	Planning Analysis Studio	199910	Analysis and design principles at regional, urban, and local scale, including environmental suitability, land-use location criteria, and site- planning criteria for Greenfield or redevelopment sites. Students defend proposals based on analytical and design criteria. A total of 6 hours of credit may be earned, but no more than 3 in any one semester or term.	I
240	PLAN	618	Advanced Inferential Statistics		Advanced inferential statistics; correlation and regression analysis progressing from linear and bivariate to quadratic and multivariate models; introductory Boolean algebra. Data reduction techniques of factor analysis and Q-methodology. Classification of cluster analysis.	I
241	PLAN	619	Urban Spatial Analysis		Quantitative modeling of urban spatial analysis (analysis and forecasting of uses and forms); land use and transportation forecasting; public facility, basic sector, residential distribution and retail/local service sector modeling; and trip generation and distribution modeling.	I

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
242	PLAN	621	Environmental Impact Analysis	201410	Techniques for assessing environmental impacts, including environmental inventory, rapid assessment, environmental impact analysis, land suitability analysis, risk assessment, build-out analysis, modeling for environmental sustainability, and the review of environmental regulations at all levels of government.	I
243	PLAN	625	Historical Jurisprudential Analy		Historical jurisprudential analysis of planning/land-use law within public agencies and the private sector of development. Zoning, subdivision, and other land use regulations. A study of the legislative, regulatory, and administrative law adjudicatory process within the context of planning and land use as well as comparisons of selective states and localities' processes.	I
244	PLAN	626	Human Settlements	200410	Analytical and comparative history of urban form by way of its human, economic, and cultural influences. Elementary and essential principles of urban design.	I
245	PLAN	628	Economics of Planning	200410	Neoclassical microeconomics applicable to analysis/evaluation of private/ public development and urban form. Theories of marginal analysis, present value, and applied optimization explain urban/environmental/international economics; public choice; location theory; and development economics. Macroeconomic general equilibrium paradigm explains suboptimal resource allocations, or market failures, leading to variety of market interventions.	I
246	PLAN	629	Planning Analysis Studio	200410	Analysis and design principles at regional, urban, and local scale, including environmental suitability, land-use locational criteria, and site planning criteria for Greenfield or redevelopment sites. Students defend proposals based on analytical and design techniques. Six contact hours	I
247	PLAN	630	Planning Field Work		Application of substantive skills and knowledge in a comprehensive planning exercise for an urban area, involving fieldwork and a real location. Emphasizes the process by which comprehensive planning decisions are reached.	I
248	PLAN	631	Planning Field Work		Application of substantive skills and knowledge in physical planning through the creation of a site plan, utilizing fieldwork and a real location. Emphasizes the processes of site planning and analysis.	I
249	PLAN	632	Planning Field Work		Application of substantive skills and knowledge in an enterprise planning exercise for an urban area, involving fieldwork and a real location. Emphasizes the processes of action plans, land development/redevelopment and community involvement.	I
250	PLAN	695	Ind. Study		Problem identification; selection of topical area of interest; formulation of specific research/professional report topic and outline; and development of an annotated syllabus.	I
251	PLAN	696	Ind. Study		Selection and application of research methods to topic; collection and preliminary analysis of data.	I
252	PLAN	697	Ind. Study		Rigorous analysis of data and formulation of the paper/report demonstrating topic definition, research methods, preliminary conclusions and implications of the same.	I
253						
254	Miller College of Business					
255	Undergraduate courses					

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
256	BUSA	101	Introduction to Business	201410	Emphasizes the vital role of business in our society through a discussion of both the external environment of business and the internal environment of the business enterprise. Assesses the contribution of the social and behavioral sciences in the decision-making process. Core Transfer Library: Professional/Occupational (IPO 1810) Not open to junior or senior business majors.	I
257	INTB	265	Intro to International Bus	199610	Introduces the field of international business including coverage of the cultural, economic, political, and legal environments in which organizations function. Provides an overview of world markets emphasizing communications, trade, and legal matters in international relationships.	I
258	Graduate courses					
259	MBA	624	Integ Enterprise Resource Plan	200510	Applications of enterprise resource planning systems in several business areas such as accounting systems, customer relationship management, operations and materials management. Utilizes a well-known ERP software system to familiarize students with these applications. Prerequisite: MBA 621 or permission; full admission to a graduate program of the university.	I
260	MBA	625	Enterprise Resource Plan Sys	200910	Focuses on business ERP systems. Topics include ERP framework and architecture, leading enterprise systems and market trends, evaluation of ERP Systems, and implementation methodologies and success factors. Students are exposed to the SAP systems. Hands-on applications and labs are included to provide practical experience for implementing SAP solutions. Prerequisite: MBA 621 or permission; full admission to a graduate program of the university.	I
261	MBA	651	Economic Analysis for Managers	200510	Apply economic principles to improve the decisions made by managers. Topics include supply and demand, marginal analysis, the impact of market structure (i.e., competitive, monopoly, and oligopoly), and the organization of the firm. Prerequisite: ECON 509; full admission to a graduate program in the Miller College of Business. Open only to Miller College of Business students or by permission of the Miller College of Business director of graduate programs.	I
262	MBA	691	Global Strategic Management	201410	Integrative application of business knowledge to managerial decisions and action that determine the long-run performance of organizations. Deals with legal and environmental issues and strategy formulation, and implementation in a global setting. Prerequisite: completion of MBA 601 and 611 and 621 and 631 and 651; full admission to a graduate program in the Miller College of Business. Open only to Miller College of Business students or by permission of the Miller College of Business director of graduate programs.	I
263						
264	Department of Accounting					
265	Undergraduate course					
266	Graduate courses					
267						
268	Department of Economics					
269	Undergraduate courses					

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
270	ECON	116	Survey of Economic Ideas	201410	The important conclusions of economics are surveyed and applied to topics chosen by the instructor. Especially valuable to students with no high school background in economics. Not applicable to a major or minor in economics. Core Transfer Library: Behavioral Sciences/Humanities (ISH 1040) Not open to students who have credit in ECON 201 or 202.	I
271	ECON	201	Elementary Microeconomics	198810	A study of why people specialize as producers and exchange what they produce with others. Includes analysis of how market structure affects prices. Discusses the issue of whether self-interested economic behavior promotes or hinders society. Core Transfer Library: Behavioral Sciences/Humanities (ISH 1042)	I
272	ECON	202	Elementary Macroeconomics	201410	Survey of the major explanations for fluctuations in general business conditions. Focuses on how the private sector's economic behavior is affected by various governmental policies and institutions. Core Transfer Library: Behavioral Sciences/Humanities (ISH 1041) Prerequisite: ECON 201.	I
273	ECON	301	Intermediate Microeconomics	198810	An investigation of the ways in which economic units direct resources into production. Involves analyses of product pricing, output determination, resource pricing, and employment in various market structures. Includes graphical and, in some instances, simple algebraic analyses. Prerequisite: ECON 201, 202.	I
274	ECON	302	Intermediate Macroeconomics	198810	Analyzes national income as a measure of economic activity. Emphasizes the determination of national income, employment, and price level and the rate of growth of the economic system. Includes examination of the theories of consumption and investment spending, interaction between money and national income, and implications of alternative models for public policy. Includes graphical and, in some instances, simple algebraic analyses. Prerequisite: ECON 201, 202.	I
275	ECON	309	Amer Econ Hist 1: to Civil War	201010	An economic history of America from its origins through the Civil War; topics vary, but the subjects usually covered include demography, various forms of labor institutions including slavery, colonialism, the impact of revolution and independence, developments in transport, industry and agriculture, environmental issues, and impacts of war and trade. Prerequisite: ECON 116 or 201.	I
276	ECON	310	Amer Econ Hist 2: 1860-1990	201010	An economic history of America since the Civil War; subjects usually include: the post-Civil War South, money and banking, the Great Depression and the New Deal, urbanization, diseases, demographics, the environment and ecology, developments in transport, industry and agriculture, labor, and the impact of conflicts. Prerequisite: ECON 116 or 201.	I
277	ECON	345	Public Finance	200210	Analysis of economic theory behind alternative methods of financing government budgets and debt management. Emphasizes economic consequences of budgets by examining incidence, shifting, and incentives regarding provision of public services and alleviation of economic insecurity. Prerequisite: ECON 201.	I
278	ECON	346	Law and Economics	199410	Applies microeconomic analysis to legal issues such as property rights, crime, contracts, and liability rules. Strengthens the ability to engage in economic reasoning by demonstrating its applicability to law and economics. Prerequisite: ECON 201.	I

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
279	ECON	370	Industrial Organization	200210	Monopolistic, oligopolistic, and competitive market structures. Unsettled issues concerning structure and conduct of industry; concentration, vertical integration, and problems of economic regulation by the government. Prerequisite: ECON 201.	I
280	ECON	380	Economic Growth	198810	An analysis of the causes, mechanisms, and patterns of economic growth. Compares and analyzes growth rates of various countries. Prerequisite: ECON 201, 202.	I
281	ECON	381	Economics for Teachers	200810	Pre-service teachers explore content and pedagogy issues related to teaching high school economics. Economic content is given by the national and state standards. Explore pre- and post-tests of student mastery of the standards. Explore economic concepts and pedagogies in lesson plans used with students. Prerequisite: ECON 201, 202.	I
282	ECON	416	History of Economic Doctrines	198810	The history of how humankind has looked at its economic life, surveys the changing ways economists have rationalized, articulated, and criticized economic organization from biblical times to the present. The successive reformulations place a major emphasis on the economic doctrines of the recent past and the present. Prerequisite: ECON 201, 202.	I
283	ECON	424	Econometrics	201510	Applies statistical methods to economics. Emphasizes constructing, estimating, and testing economic models. Topics include multiple regression analysis, advanced regression techniques, time series analysis, and forecasting. Considers specific problems that arise in applying these topics to economic and business data. Prerequisite: ECON 201, 202, and either ECON 321 or MATH 321 or permission of the department chairperson.	I
284	ECON	441	The Theory of Monetary Policy	198810	A theoretical presentation of how the board of governors of the Federal Reserve System modifies the economic climate within which the institutions of the nation operate and of the problems of government finance as they relate to the board's goal of general economic stability. Prerequisite: ECON 201, 202.	I
285	ECON	485	Urban Economics	198810	The systematic economic structure of cities and the component parts of that structure. Attention is given to the ways in which the economic structure of cities and regions obstructs or facilitates the attainment of the goals of the community. Prerequisite: ECON 201.	I
286	ECON	492	Independent Study in Economics	198810	Students will pursue their interests in specialized economics subjects under the direction of a member of the economics staff. Subjects studied will differ from or be studied in greater depth than subjects treated in other economics courses. Prerequisite: 6 hours of credit in economics. A total of 6 hours of credit may be earned, but no more than 3 in any one semester or term.	I
287	ECON	495	Seminar in Economics	198810	Topics center on economic problems and issues of special interest to students and instructor. Permits in-depth studies of topics not formally treated in other courses, thereby exposing interested students to a wider variety of economic problem-solving situations. Prerequisite: ECON 201, 202; permission of the department chairperson. A total of 6 hours of credit may be earned, but no more than 3 in any one semester or term.	I
288	Graduate courses					

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
289	ECON	509	Survey of Economics	200310	Micro- and macroeconomics for those without economics credit at the undergraduate level. Satisfies the prerequisite of courses requiring ECON 201 and 202, but is not acceptable as credit for meeting the requirements of any graduate degree in business administration. May not be used to satisfy an economics major area requirement for the master of arts in education degree. Not applicable toward credit hours required for graduate degrees in the Miller College of Business. Not open to students who have credit in ECON 201, 202.	I
290	ECON	524	Introduction to Econometrics	198810	Quantitative methods in economic research. Emphasizes construction of economic models and testing of their predictive power. Topics include correlation and regression techniques and the specific problems that arise in applying these to economic data. Prerequisite: ECON 201, 202, 221; MATHS 132 or its equivalent. Not open to students who have credit in ECON 424.	I
291	ECON	541	The Theory of Monetary Policy	199710	A theoretical presentation of how the board of governors of the Federal Reserve System modifies the economic climate within which the institutions of the nation operate and of the problems of government finance as they relate to the board's goal of general economic stability. Prerequisite: ECON 201, 202. Not open to students who have credit in ECON 441.	I
292	ECON	545	Econ of Government Budgets	199710	Analysis of economic theory behind alternative methods of financing government budgets and debt management. Emphasizes economic consequences of budgets by examining incidence, shifting, and incentives regarding provision of public services and alleviation of economic insecurity. Inflation as tax is considered. Prerequisite: ECON 201, 202. Not open to students who have credit in ECON 345.	I
293	ECON	581	Workshop on Economic Education	198810	Designed to give the teacher who is not a specialist in economics an understanding of the American economy and to suggest specific techniques by which this understanding can be integrated into the teaching of other subjects at all levels of instruction. A total of 6 hours of credit may be earned, but no more than 3 in any one semester or term.	I
294	ECON	585	Urban Economics	198810	The systematic economic structure of the city and its component parts. The ways in which the economic structures of cities and regions obstruct or facilitate the attainment of the goals of the communities. Prerequisite: ECON 201, 202. Not open to students who have credit in ECON 485.	I
295	ECON	592	Independent Study in Economics	198810	Students will pursue their interests in specialized economics subjects under the direction of a member of the economics staff. Topics different from or studied in greater depth than those treated in other economics courses. Prerequisite: 6 hours of credit in economics. A total of 6 hours of credit may be earned, but no more than 3 in any one semester or term.	I
296	ECON	595	Seminar in Economics	201410	Economic problems and issues of special interest to students and the instructor. Permits in-depth studies of topics not formally treated in other courses, thereby exposing interested students to a wider variety of economic problem-solving situations. Prerequisite: ECON 201, 202, or 509; permission of the department chairperson. A total of 6 hours of credit may be earned, but no more than 3 in one semester or term. Not open to students who have credit in ECON 495.	I

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
297	ECON	610	Advanced Managerial Economics	199510	Focuses on combining economic theory and econometrics to analyze and present solutions in written and oral formats to a variety of actual business problems, including case studies involving local firms and government agencies. Prerequisite: ECON 524 or permission of the instructor.	I
298	ECON	612	State and Local Econ Developmnt	201110	This course presents the economic foundations for managing state and local economic development activities. Neoclassical and modern growth theory, and the fundamentals of business location theory are presented, along with public budgeting and institutional detail of economic development activities within state and local government activities within developed economies. Prerequisite: full admission to a Ball State University graduate program.	I
299	ECON	662	Health and Economics	201410	Studies how economic incentives and institutions affect health, health care, and clinical practice. Will help students apply economic concepts to analyze health care and the effect of various health policies. Also emphasizes ways to improve health-care quality, increase access, and reduce costs. Not open to students who have credit in NUR 662. Open only to students with full admission to a graduate or certificate program of the university or by permission of the department chairperson.	I
300	ECON	683	Health Economic Analysis	201410	Studying health economics will provide students with the tools necessary to analyze the interrelationship of health-care resources, providers, consumers, and markets. By the end of this course, students will demonstrate a conceptual understanding of health economics and how it relates to the U.S. health-care system. Open only to students with full admission to a graduate or certificate program of the university or by permission of the department chairperson.	I
301	ECON	693	Health Economics and Policy	201410	Applies economic concepts to understand how policy decisions made at various levels (of business and government) affect health-care access, quality, and cost. Specific applications may be drawn from the life sciences industry. Prerequisite: ECON 116 or 201 or 509 or 662 or 683 or NUR 662.	I
302						
303	Department of Finance and Insurance					
304	Undergraduate courses					
305	BL	260	Principles of Business Law	201410	The nature, role, structure, and historical development of the legal system. The essential elements of legal liability, contracts, and government regulation of business. Law, ethics, and commercial relations that constitute the legal environment of business.	I
306	FIN	110	Personal Finance	201410	The fundamental principles of general business and related economic concepts are considered from the consumer's point of view. Some of the topics studied are consumer buying and the use of credit, banking, insurance, investment, budgeting, and taxation. Core Transfer Library: Professional/Occupational (IPO 1811)	I

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
307	FIN	255	Introduction to Investments	201410	Topics include financial markets and investment alternatives such as stocks, bonds, convertible securities, mutual funds, options, and futures. Market indexes (Dow Jones, etc.), market practices and timing, sources of financial data, and investing in an international environment will be discussed. Not open to juniors and seniors majoring in business.	I
308	FIN	320	Financial Markets 1	201310	Examine the role of financial markets and institutions in the U.S. financial system. Emphasizes interest rates, monetary policy, the functioning of debt, equity and derivative security markets, and discusses the impact of technology, regulation, globalization, and product innovation. Prerequisite: FIN 300.	I
309	RE	230	Real Estate Principles	199610	Economic import of real estate, real estate characteristics, land-use and environmental controls, legal concerns of real estate, methods of valuation, mortgage credit sources, secondary mortgage markets and financing techniques, investment analysis, land development, and real estate operations. Prerequisite: completion of general studies math requirement or permission of the instructor.	I
310	Graduate courses					
311	FIN	680	Global Financial Policy	200310	Capstone examination of the financial management of the global firm. Emphasizes the firm's strategic use of market imperfections when operating in a risky international environment. Explores how exchange rate management adds another dimension to managing the global firm and creates profit opportunities. Prerequisite: FIN 500 or equivalent; full admission to a graduate program in the Miller College of Business. Open only to Miller College of Business students or by permission of the Miller College of Business director of graduate programs.	I
312						
313	Department of Information Systems and Operations Management					
314	Undergraduate courses					
315	BED	393	Phil, Org, and Admin of CTE	201010	The principles upon which career/technical education is organized, administered, and supervised; federal and state regulations; agencies that provide delivery systems for career/technical education; vocational rehabilitation; and programs for persons with special needs. Prerequisite: an undergraduate methods course in business education, marketing education, or permission of the department chairperson.	I
316	CIS	450	E-Commerce Design/Applications	201510	Presents a comprehensive overview of electronic commerce design and applications. Topics include e-business models, infrastructure, security, payment systems, development methodologies, applicable law and regulations, and strategies. Prerequisite: CIS 226 or permission of the department chairperson.	I
317	ISOM	431	Enterprise Res Planning 2	200610	Provides the basic knowledge of the ABAP/4 Development Workbench. Also prepares students to become ABAP/4 Consultants by providing a learning environment similar to an actual SAP work environment. Prerequisite: CIS 413.	I
318	ISOM	454	Supply Chain Management	201010	Examines the advancements of information technology/systems and material management tools in a global, supply chain environment. Students will develop an understanding of the overall supply chain management strategy including information systems and inventory strategies. Prerequisite: ISOM 351 or permission of the department chairperson.	I

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
319	ISOM	460	Global Logistics, Transp Mgt	201310	Focuses on the role of in-bound and out-bound logistics in global supply chains, customer relationship management, procurement, multi-modal transportation, pricing and economics, warehousing, packaging and materials handling, regulatory issues, and emerging technologies such as radio frequency identification, global positional systems, and geographically positioning systems. Prerequisite: ISOM 351 or permission of the department chairperson.	I
320	ISOM	497	Independent Study	201510	Supervised study of some phase of information systems or logistics and supply chain management. Prerequisite: senior standing; permission of the department chairperson. A total of nine hours of credit may be earned among the 3 courses in ISOM 369, 497, and 498. A total of 9 hours of credit may be earned, but no more than 6 in any one semester or term.	I
321	ISOM	480	Supply Chain Mgt Integ Project	201310	Senior level capstone course requires students to plan, develop, and present a capstone project in operations and supply chain management. Topics include global manufacturing strategies, green movement and reversed logistics, lean Six Sigma, enterprise resource planning and implementation, process design--value stream mapping, and product costing. In addition to class meeting time, students will be required to meet in arranged times to complete a capstone project. Prerequisite: ISOM 361, 453, 460 or permission of the department chairperson. Open only to logistics and supply chain management majors.	I
322	Graduate courses					
323	Undergraduate courses					
324	MGT	347	Business Model Generation	201410	An interactive environment where students work with stakeholders on strategic perspectives and the development of an economically feasible business model towards the capstone project. Prerequisite: MGT 346. Open only to entrepreneurial management majors.	I
325	MGT	491	Bus Policy and Strategy Mgt	201510	Integration of various functional areas of business. Development and administration of strategy and policy in private and public sector organizations. Case studies focus on strategic decisions that enable an organization to relate effectively to its industrial, national, and international environments. Normally taken during the last semester of a student's program. Prerequisite: senior standing; completion of all Miller College of Business core classes including BL 260, FIN 300, ISOM 249, 351, MGT 300, MKG 300, MATH 132 or 161 or 162 or 165 or 166. No simultaneous enrollment allowed.	I
326	Graduate course					
327	MGT	601	Internatl Iss in Mkg and Mgt	201410	Discussion of business strategies in global industries within economic, political, and international firms. Topics include strategic management processes, methods, policies, and entry strategies for marketing overseas. Based on case studies and/or projects. Prerequisite: full admission to a graduate program of the university; MGT 500, MKG 505 or equivalents.	I
328						
329	Department of Marketing					
330	Undergraduate courses					

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
331	MKG	300	Principles of Marketing	201410	Introduces marketing principles, functions, and contemporary practices essential for attaining organizational objectives. Topics include the marketing environment and technology, marketing research, consumer behavior, market segmentation, product management, professional selling, advertising, pricing, distribution channels, strategy implementation, and the role of marketing in society. Prerequisite: sophomore standing including ECON 116 or 201.	I
332	MKG	345	Procurement and Supply Mgt	201410	Focuses on value creation through sourcing methods and activities. Principal topics include: purchasing process, supply development and fulfillment, negotiations, supplier evaluation/selection, supply base management, contract management, global sourcing, leveraging sustained competitive advantage, supply information systems/electronic commerce, source performance assessment, supplier quality enhancement, purchasing service, and ethics. Prerequisite: MKG 300.	I
333	MKG	400	Product Management	201410	Examines the process of developing and managing products and brands as part of the organization's marketing strategy. Possible topics are designing new products, competitive positioning, creating and maintaining strong brand identities, and enhancing brand equity. Prerequisite: MKG 300.	I
334	MKG	470	International Marketing	201410	Examines the opportunities and problems associated with conducting business on a global scale. Focuses on the knowledge and skills needed for identifying, evaluating, and managing international marketing functions. Students are introduced to the economic, socio-cultural, financial, and legal-political factors affecting international marketing. Prerequisite: MKG 300.	I
335	MKG	475	Marketing Simulation	201410	Structured around a marketing management simulation exercise, students are divided into teams to operate business firms. Each team develops and implements a strategic plan, making tactical operating decisions. Addresses the complexity of integrating marketing, finance, and production while operating in a global environment. Prerequisite: MKG 300; junior standing.	I
336	Graduate courses					
337	MKG	505	Survey of Marketing	201410	A survey of marketing that reflects the social, economic, and international challenges facing marketing managers. Examines the roles of marketing in both society and business. Prerequisite: full admission to a graduate or certification program of the university.	I
338						
339	Department of Communication Studies					
340	Undergraduate course					
341	COMM	310	Communication and Democracy	201410	Emphasizes the vital role that communication plays in America's political history. Examines various genres of discourse (e.g., speeches, pamphlets and handbills, political advertising, film) used to address political, social, and economic issues. Prerequisite: COMM 210 or permission of the department chairperson.	I
342	Graduate courses					

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
343	COMM	635	Interpersonal Communication	201410	Contemporary theories, models, and pertinent research related to the communication process in relatively unstructured face-to-face settings. Understanding message exchanges between people and their influence on social interaction. Topics include communication models, perception, symbols, systems, self-concept, attitudes, meaning, and nonverbal messages.	I
344						
345	Center for Information and Communication Sciences					
346	Graduate courses					
347	ICS	633	Systems Analysis and Design	199910	Study of various concepts and techniques for analysis of information needs, specification of system requirements, system-development life cycle, and design, development, and implementation of computer-based information systems in organizations. Includes structural and prototype approaches.	I
348	ICS	643	Social Responsibility in ICT	199910	Political, economic, social, and governmental elements that interact with I/C systems. Emphasizes major contemporary issues confronting broadcasters and others in the electronic media. Covers ethics in decision making, definition of standards, and responsibilities in electronic communication.	I
349						
350	Department of Journalism					
351	Undergraduate courses					
352	JOUR	385	Writing Design Strategic Comm			I
353	NEWS	120	Storytelling			I
354	NEWS	122	Storytelling			I
355	Graduate courses					
356						
357	Department of Telecommunications					
358	Undergraduate courses					
359						
360	School of Art					
361	Undergraduate courses					
362	AFA	305	Drawing from Nature	201210	Drawing explored through visual responses to the environment and natural subject matter. Includes field trips and site specific sketching and journaling. Prerequisite: ADS 102 or CAP 102; AFA 202. Open only to art majors.	I
363						
364	School of Music					
365	Undergraduate courses					
366	MUST	444	Human-Computer Interface Desg	201210	Exploration of practices and techniques of human-computer interface design and implementation in musical, visual, and intermedia arts. Projects will focus on the development of human control systems for real-time artistic output. Studio laboratory time required.	I
367	Graduate courses					
368						
369	Department of Theatre and Dance					
370	Undergraduate courses					

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
371						
372	Department of Anthropology					
373	Undergraduate courses					
374	ANTH	101	Intro to Cultural Anthropology	201410	Introduces the diversity of human social life as shaped by culture, relating the origins and nature of culture to variations in such universal aspects of human experience as subsistence strategies, resource allocation, social organization, political order, belief systems and the arts.	I
375	ANTH	105	Introduction Biological Anth	201410	Introduces students to human variation over space and time; its genetic, developmental, environmental, and theoretical bases; the human life cycle; primatology; the anthropoid fossil record, and the relevance of these for an understanding of human health, adaptation, and human diversity.	I
376	ANTH	206	Fundamentals Biological Anth	200610	Introduces the major concepts, mechanisms, methodology, and types of data dealt with by biological anthropology: primate and human evolution; genetics; primate anatomy, diversity, and behavior; ontogeny and life cycle variations; geographic variation; adaptation; and other interactions between environment, culture, and biology.	I
377	ANTH	312	Ecological Dims of Culture	201510	Explores the system of relationships between human populations and their environments focusing on cultural behavior. Uses studies of societies from ancient to modern times, models and theories from ecology and anthropology, and considers both applied and theoretical perspectives. Prerequisite: any one of ANTH 101, 103, 105, 111; or permission of the instructor.	I
378	ANTH	331	Native Amer of N America	200610	Cultures of the North American Native Americans emphasizing their economic, sociopolitical, and religious institutions.	I
379	ANTH	481	Cult, Econ, and Dev	200610	Concerned with a culturally embedded view of allocation, conversion, production, distribution, and consumption of resources. Emphasizes economic development in third and fourth world countries both from theoretical and applied perspectives.	I
380	ANTH	482	Nat Amer of Amer SW	200610	Surveys prehistoric, historic, and contemporary cultures of selected Southwest Native American groups. Emphasizes culture-specific solutions to problems perceived in their relationship to their natural and social environments.	I
381	Graduate courses					
382	ANTH	512	Eco Dim of Culture	201510	Explores the system of relationships between any human population and its environment, focusing on cultural behavior. Uses studies from ancient to modern times and models and theories from ecology and anthropology; considers both applied and theoretical perspectives. Prerequisite: an introductory cultural anthropology course or permission of the instructor. Not open to students who have credit in ANTH 312.	I
383	ANTH	531	Native Amers N Amer	200710	Survey of cultures of North American Native Americans emphasizing their economic, socio-political, and religious institutions. Not open to students who have credit in ANTH 331.	I

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
384	ANTH	581	Cult, Econ, and Dev	200710	Concerned with a culturally embedded view of allocation, conversion, production, distribution, and consumption of resources. Emphasizes economic development in third- and fourth-world countries both from theoretical and applied perspectives. Not open to students who have credit in ANTH 481.	I
385	ANTH	582	Native Amers of Ameri SW	200710	Surveys prehistoric, historic, and contemporary cultures of selected Southwest Native American groups. Emphasizes culture-specific solutions to problems perceived in their relationship to their natural and social environments. Not open to students who have credit in ANTH 482.	I
386	ANTH	600	Graduate Studies Seminar	199710	Introduction to the nature, purpose, and practice of scholarly inquiry in academic and applied environments. Includes exposure to major literature and research resources in the field, familiarization with professional culture and faculty resources, individual program design, and thesis planning. A total of 2 hours of credit may be earned, but no more than 1 in any one semester or term.	I
387						
388	Department of Biology					
389	Undergraduate courses					
390	BIO	100	Biology for a Modern Society	201410	Considers biological issues related to the environment, genetics and biotechnology, human reproduction and development, and population biology. Historical, contemporary, and future implications of these issues are discussed. Core Transfer Library: Life Sciences (ILS 1503) Not open to students who have credit in BIO 102, 111, or 112.	I
391	BIO	217	Methods in Ecology	200010	Introduction to scientific study designs, measurements, data analysis, and the logic of inference as applied to ecological research. Focuses on a field research project that culminates in a written report and an oral presentation. Prerequisite or parallel: BIO 216.	I
392	BIO	220	Ecological Issues 21st Century	200910	Fundamental concepts of ecology, including interactions between organisms and their environment, population/community dynamics, and structure/ function of ecosystems. Application of concepts to current ecological issues (e.g., species extinction, human population dynamics, human food production systems, natural resource depletion, and global environmental change). Intended for non-biology majors. Not open to students who have credit in BIO 216. Open only to non-biology majors.	I
393	BIO	254	Biology in the Social Context	200810	Designed to foster understanding of the interactions between and among human biological and social systems. Emphasizes biological concepts as they relate to health and behavior. Prerequisite recommended: college level introductory biology. Open only to social work or family and consumer sciences majors, or by permission of the department chairperson.	I
394	BIO	369	Internship in Biology	201410	Paid, supervised field and laboratory experiences in public or private agencies (or in the Department of Biology). Training involves application of biological principles in the work environment. Prerequisite: permission of the department chairperson. A total of 6 hours of credit may be earned.	I

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
395	BIO	418	Comm and Ecos Ecol	199410	Principles of ecological organization at the community and ecosystems levels. Emphasizes the processes that influence the structure and function of communities and ecosystems. Laboratory includes field and lab studies of plant and animal systems. Prerequisite: BIO 216.	I
396	BIO	482	Aquatic Microbiology	198810	Microorganisms indigenous to nonpolluted and polluted aquatic ecosystems. Emphasizes nutrient cycling and use of microorganisms as indicators of pollution. Morphology, physiology, and ecology of specific organisms. Lecture and laboratory. Prerequisite: BIO 313.	I
397	BIO	483	Marine Biology	198810	Introduction to marine environments. Properties of seawater, hydrodynamics. Phytoplankton and benthic plants. Primary production, nutrient cycles. Marine animals, surveys of major taxa. Adaptations for life on the bottom, open water, intertidal zones, estuaries, and abyssal regions.	I
398	BOT	481	Aquatic Botany	201310	The collection and identification of nonvascular and vascular plants from freshwater ecosystems. Emphasizes the morphology, physiology, and ecology of these plants to explain their distribution in nature. Class project and field trips may be used to demonstrate ecological relationships. Two Saturday field trips required. Prerequisite: BIO 210 or permission of the instructor.	I
399	BOT	380	Forestry	199110	General course in forestry with emphasis on forest policy, ecology, and management. Current issues are discussed with particular reference to their social, political, and environmental implications. Lecture and laboratory.	I
400	BOT	442	Economic Botany	198810	The cultivation, processing, environmental requirements, and use of plants and plant derivatives for food, drugs, dwellings, clothing, and power.	I
401	BOT	451	Plant Physiology	201310	An introductory treatment of the physiological activities of green plants with emphasis on plant growth substances, photosynthesis, and intermediate metabolism. Prerequisite: BIO 111 or 210.	I
402	BOT	481	Aquatic Botany	201310	The collection and identification of nonvascular and vascular plants from freshwater ecosystems. Emphasizes the morphology, physiology, and ecology of these plants to explain their distribution in nature. Class project and field trips may be used to demonstrate ecological relationships. Two Saturday field trips required. Prerequisite: BIO 210 or permission of the instructor.	I
403	ZOOL	446	Mammalogy	198810	The evolutionary origin, characteristics, and distribution of recent mammals. The economic relationships of mammals. The collection and preservation of specimens. May require additional field work. Prerequisite: BIO 112 or permission of the department chairperson.	I
404	ZOOL	484	Aquatic Entomology	201310	Immature and adult stages of aquatic insects, including collecting techniques, identification, ecological requirements, morphology, and evolutionary adaptations to lentic and lotic conditions. Emphasizes aquatic insects as indicators of environmental quality and stress. Prerequisite: BIO 216.	I
405	Graduate courses					
406	PHYS	645	Emergency Medicine	198810	Designed to develop an awareness of proper diagnosis and treatment during emergency medical care by professional medical personnel. Fractures; environmental emergencies; injuries to the eye, chest, and abdomen; shock; and wound care. Prerequisite: admission to the medical education program.	I

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
407	ZOOL	682	Animal Ecology	198810	The composition, development, dynamics, and geographic distribution of animal communities. The relationships between animals and the physical, chemical, and biotic elements of the environment. Includes physiological ecology and ethology. Field studies of animal communities.	I
408						
409	Department of Chemistry					
410	Undergraduate course					
411	Graduate courses					
412	Department of Criminal Justice and Criminology					
413	Undergraduate course					
414	CJC	250	Introduction to Courts	201410	Introduction to the American court and judicial systems emphasizing their structure, operation, and objectives. Prerequisite: CJC 101, 102; or permission of the department chairperson.	I
415						
416	Department of Computer Science					
417	Undergraduate courses					
418	CS	446	Systems Administration			I
419	Graduate courses					
420						
421	Department of English					
422	Undergraduate courses					
423	ENG	104	Composition			I
424	Graduate courses					
425	ENG	627	Sociolinguistics	199710	Examines the correlation of linguistic variation with geographic areas and social variables such as sex, age, socioeconomic status, and ethnicity. Prerequisite: ENG 320 or 520; permission of the department chairperson.	I
426						
427	Department of Geography					
428	Undergraduate courses					
429	GEOG	101	Earth Sea Sky: Geographic View	201410	Selected aspects of the physical environment and their relationship to human occupancy of the earth.	I
430	GEOG	120	Economic Geog of Globalization	200810	A systematic approach to economic issues emphasizing local, regional, national, and global economic developments in the geographic setting.	I
431	GEOG	121	Geog of Cultural Environment	201010	Utilizes qualitative methods to investigate relationships between human culture and the environment. Spatial processes that bring about cultural diversity and change are stressed as well as the role of human activity in producing cultural landscapes. The formation of cultural landscapes over time and the impacts of globalization are emphasized.	I
432	GEOG	150	Global Geography	201410	A basic survey course emphasizing geographic facts and interdependencies between the developed and developing world. Particular emphasis is given to physical and social environmental interdependencies.	I

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
433	GEOG	261	Tourism Systems	200010	Surveys the history, components, and spatial structure of travel and tourism as a socioeconomic phenomenon and as an industry. Also examines its institutional organization, the motivations and flows of travelers, and global and local interactions and implications.	I
434	GEOG	262	Tourism Regions	200010	Examines locational patterns of various forms of tourism and the main geographic characteristics of these destinations. Analyzes spatial and temporal models and flows and their economic, social, cultural, and environmental impacts through selected detailed case studies.	I
435	GEOG	265	Intro Geographic Info Systems	201410	Fundamentals of geographic information systems (GIS). How to visualize information in ways that reveal relationships, patterns, and trends not visible in other software systems. Develop working knowledge of the full capabilities of GIS technology.	I
436	GEOG	270	Geog of International Conflict	201310	Focuses on contemporary armed conflicts, including culture-based conflicts and competition among nations for economic and mineral resources; treats territorial disputes from a cultural and geographic perspective. Case studies vary to illustrate types of contemporary conflicts.	I
437	GEOG	330	Weather Analysis	200010	Presentation and practice of synoptic- and meso-scale diagnostic analysis techniques, including a review of satellite and radar remote sensing systems and image interpretation. Introduction to numerical weather prediction. Prerequisite: GEOG 230.	I
438	GEOG	344	Adv Geog Info Systems Analysis	200010	Examination and use of analysis techniques in geographic information systems (GIS). Introduction to basic GIS programming. Diagramming GIS logic and processing flows. Exposure to widely used GIS data models. Prerequisite: GEOG 240, 265; or permission of the instructor.	I
439	GEOG	351	Latin American and Caribbean	198810	Physical and cultural patterns in a diverse world region. Emphasizes population and settlement, agriculture, and environmental hazards in the context of development.	I
440	GEOG	353	Geography of Indiana	198810	A geographic examination of the physical, cultural, and economic diversity of the state. Field experiences supplement classroom activities.	I
441	GEOG	356	Geog Russia and Its Neighbors	199410	Geographic analysis of the locational, environmental, economic, and cultural diversity of the successor countries to the Soviet Union. Regional examination of Russia, Baltic, and other East European countries, Transcaucasia and Central Asia.	I
442	GEOG	357	Geography of Europe	200610	Examines the changing physiographic, climatic, economic, and political environments of Europe. While addressing the entire European cultural area, from the Atlantic Ocean in the west, to the Ural and Caucasus mountains in the east, primary emphasis is given to countries of Western, Northern, Southern and Central Europe.	I
443	GEOG	445	GIS Apps Design and Develop	200010	Fundamentals of geographic information systems (GIS) programming. Develop and implement customized GIS applications. Exposure to widely used GIS software programming environments. Prerequisite: GEOG 265, 344, or permission of the instructor.	I

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
444	GEOG	491	Tourism Development	200010	Discusses how to develop tourism destinations and activities that integrate sustainable economic development, accessibility, and indigenous cultural evolution with minimal impact on the environment. Includes site assessment, financial analysis, market forecasting, and impact assessment. Prerequisite: GEOG 261, 262; or permission of the instructor.	I
445	Graduate courses					
446	GEOG	530	Weather Analysis	201410	Presentation and practice of synoptic- and meso-scale diagnostic analysis techniques, including a review of satellite and radar remote sensing systems and image interpretation. Introduction to numerical weather prediction. Not open to students who have credit in GEOG 330.	I
447	GEOG	545	GIS Apps Design and Develop	200110	Fundamentals of geographic information system (GIS) programming. Develop and implement customized GIS applications. Exposure to widely used GIS software programming environments. Prerequisite: GEOG 265, 544; or permission of the instructor. Not open to students who have credit in GEOG 445.	I
448	GEOG	653	Geography of Indiana	198810	A geographic examination of the physical, cultural, and economic diversity of the state. Field experience with assigned projects supplements classroom activities.	I
449						
450	Department of Geological Sciences					
451	Undergraduate courses					
452	GEOL	101	Planet Earth Geol Environment	201410	Introductory study of the materials, structure, and surface features of the earth; the processes responsible for their development; geologic hazards; and the application of geologic knowledge to mankind's environmental and resource problems. Core Transfer Library: Physical Sciences (IPS 1730).	I
453	GEOL	105	Lab in Physical Geology	200410	Practical study of minerals, rock, planimetric and topographic maps, fold and fault structures, geological maps, climate change, earthquakes, flooding, sustainability; local field trip. An introductory high school or college earth science course. Prerequisite: an introductory high school or college earth science course; permission of the department chairperson. Not open to students who have credit in GEOL 101. Open only to geology and earth science students that had an introductory earth science course without a lab similar to GEOL 101.	I
454	GEOL	201	Earth, Life, and Time	201010	Introduction to the geologic history of the Earth's dynamic systems in relation to the development of the modern environment. Regularly scheduled laboratory. Prerequisite: any UCC Tier 1 course in the Natural Sciences Domain or permission of the department chairperson.	I
455	GEOL	206	Oceans and Nations	201010	Worldwide human interactions with the oceans and international conflicts of interest related to the marine environment. Introduction to oceanography, marine law, resource conflicts, pollution, cooperation for research and hazard response, and other topics. Credit does not count toward the geology minor.	I
456	GEOL	308	Sedimentary Geology	201110	An introduction to the study of sedimentary rocks and processes. Sedimentary rock description, depositional environments, and the application of stratigraphic methods. Regularly scheduled laboratory and a field trip. Prerequisite: GEOL 201 or permission of the department chairperson.	I

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
457	GEOL	330	Geological Field Tour	201410	Rocks, structure, fossils, landforms, environmental geology, economic resources, and geologic history of a specific region, investigated mainly in the field. Individual course offerings specify geographic region of focus, any on-campus class meeting component in addition to the extended field trip, and student assignments/evaluation. A total of 12 hours of credit may be earned, but no more than 6 in any one semester or term.	I
458	GEOL	416	Geology Hazards Environment	201110	Applied geology for hazard and environmental problems. Properties and mechanics of rocks and soil; geologic materials in construction; erosion, mass wasting, subsidence; flooding, shoreline, seismic, volcanic, and other natural hazards. Dams, tunnels, mines, shoreline structures, and other special construction problems; groundwater engineering problems. Prerequisite: an introductory course such as GEOL 101, 207, 240; NREM 211 or EMHS 352; MATH 108 or high school equivalent, or permission of the department chairperson.	I
459	GEOL	434	Applied Biostratigraphy	201410	Advanced undergraduate course designed to provide practical experience in geologic problem solving in energy and oceanographic fields. Intended as an advanced elective which will provide an immersion opportunity for geology and earth science majors. Focused on the use of microfossils to solve correlation and paleoecological problems, primarily in the subsurface. Run as a semester length course (usually during the fall semester) and involves work in the Ball State University Biostratigraphy Laboratory. Prerequisite: GEOL 409 or permission of the instructor.	I
460	GEOL	413	Experimental Petrology	201410	Students are introduced with several experimental apparatuses that are designed to simulate the behavior of Earth's materials at different P-T conditions. Student will learn various heterogeneous phase equilibria that are of interest to geologists. Students are expected to learn how to construct various phase diagrams and to apply appropriate melting systems to model the formation of solid Earth and the other terrestrial bodies. Prerequisite: GEOL 310.	I
461	GEOL	440	Karst and Carbonates	201310	A study of a portion of the global carbon cycle that includes an intensive survey of karst aquifers and landscapes as well as the geology of the carbonate rocks in which the karst forms. Planned topics will include carbonate depositional environments, carbonate petrology and diagenesis, speleogenetic theories, karst hydrology and geochemistry, karst geomorphology, and environmental/engineering challenges in karst. Prerequisite: GEOL 207, 240. Not open to students who have credit in GEOL 540.	I
462	GEOL	462	Env Geol in the Field and Lab	201210	Provides development of research projects and instruction in field and laboratory techniques used in the collection and analysis of field samples. The techniques are applied to the study of local environment research projects and may include instruction on well probes and standard "wet" chemical techniques. Prerequisite: GEOL 207, 360 or 560.	I

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
463	GEOL	470	Groundwater Geochemistry	199410	Introduces the processes controlling the composition of natural waters; streams, lakes, oceans, and near-surface groundwaters. Focuses on the effects of human activities, biological systems, and inorganic geochemistry processes on water chemistry. Prerequisite: CHEM 111, 112; GEOL 101; or permission of the department chairperson.	I
464	Graduate courses					
465	GEOL	508	Sedimentary Geology	201110	An introduction to the study of sedimentary rocks and processes. Sedimentary rock description, depositional environments, and the application of stratigraphic methods. Regularly scheduled laboratory and a field trip. Prerequisite: GEOL 201 or permission of the department chairperson. Not open to students who have credit in GEOL 308.	I
466	GEOL	513	Experimental Petrology	201410	Students are introduced with several experimental apparatuses that are designed to simulate the behavior of Earth's materials at different P-T conditions. Students will learn various heterogeneous phase equilibria that are of interest to geologists. Students are expected to learn how to construct various phase diagrams and to apply appropriate melting systems to model the formation of solid Earth and the other terrestrial bodies. Prerequisite: GEOL 510. Not open to students who have credit in GEOL 413.	I
467	GEOL	516	Geol of Hazards and Env	201110	Applied geology for hazard and environmental problems. Properties and mechanics of rocks and soil; geologic materials in construction; erosion, mass wasting, subsidence, flooding, shoreline, seismic, volcanic, and other natural hazards. Dams, tunnels, mines, shoreline structures, and other special construction problems; groundwater engineering problems. Prerequisite: an introductory course such as GEOL 101, 207, 240; NREM 211 or EMHS 352; MATH 108 or high school equivalent, or permission of the department chairperson. Not open to students who have credit in GEOL 416.	I
468	GEOL	530	Geological Field Tour	201410	Rocks, structure, fossils, landforms, environmental geology, economic resources, and geologic history of a specific region, investigated mainly in the field. Individual course offerings specify geographic region of focus, any on-campus class meeting component in addition to the extended field trip, and student assignments/evaluation. A total of 12 hours of credit may be earned, but no more than 6 in any one semester or term.	I
469	GEOL	534	Applied Biostratigraphy	201410	Advanced graduate course designed to provide practical experience in geologic problem solving in energy and oceanographic fields. Intended as a course which will provide research experience in biostratigraphy for masters and doctoral level students. Focused on the use of microfossils to solve correlation and paleoecological problems, primarily in the subsurface. Run as a semester length course (usually during the fall semester) and involves work in the Ball State University Biostratigraphy Laboratory. Prerequisite: GEOL 509 or permission of the instructor. Not open to students who have credit in GEOL 409.	I

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
470	GEOL	540	Karst and Carbonates	201410	A study of a portion of the global carbon cycle that includes an intensive survey of karst aquifers and landscapes as well as the geology of the carbonate rocks in which the karst forms. Planned topics will include carbonate depositional environments, carbonate petrology and diagenesis, speleogenetic theories, karst hydrology and geochemistry, karst geomorphology, and environmental/engineering challenges in karst. Prerequisite: GEOL 207, 240. Not open to students who have credit in GEOL 440.	I
471	GEOL	562	Env Geol in the Field and Lab	201210	Provides development of research projects and instruction in field and laboratory techniques used in the collection and analysis of field samples. The techniques are applied to the study of local environment research projects and may include instruction on well probes and standard "wet" chemical techniques. Prerequisite: GEOL 207, 360 or 560. Not open to students who have credit in GEOL 462.	I
472	GEOL	570	Groundwater Geochemistry	199510	Introduces the processes controlling the composition of natural waters: streams, lakes, oceans, and near-surface ground waters. Focuses on the effects of human activities, biological systems, and inorganic geochemistry processes on water chemistry. Prerequisite: GEOL 101; CHEM 111, 112; or permission of the department chairperson. Not open to students who have credit in GEOL 470.	I
473	GEOL	601	Seminar Environmental Geology	199510	Review and discussion of the literature related to a selected topic of current interest in environmental geology. Laboratory work and field trips may be included when necessary. A total of 6 hours of credit may be earned, but no more than 3 in any one semester or term.	I
474	GEOL	610	Seminar Sedimentary Petrology	200110	Advanced coverage of sedimentary rocks, their constituents, their environments of deposition, and the diagenetic processes that alter them after deposition. Proficiency in recognition of sedimentary constituents, in naming sedimentary rock types, and in interpretation of depositional, diagenetic, and provenance processes is expected. Prerequisite: GEOL 412 or 512, or permission of the instructor.	I
475						
476	Department of History					
477	Undergraduate courses					
478	HIST	152	World Civ since 1500			I
479	HIST	198	Non-Western Civilizations	201410	Examination of a broad range of patterns and problems found in the Middle East, Asia, Africa, and Latin America with emphasis on recent and contemporary development. Topics vary among political, economic, and social issues of major importance.	I
480	HIST	201	American History, 1492-1876	201410	Survey of the political, diplomatic, economic, cultural, and sociological forces and adjustments that have affected the history of the United States to 1876. Core Transfer Library: Behavioral Sciences/Humanities (ISH 1010)	I
481	HIST	202	US History, 1877 to Present	201410	Survey of the political, diplomatic, economic, cultural, social, racial, ethnic, and gender issues and key related events that have affected the history of the United States since 1877. Core Transfer Library: Behavioral Sciences/Humanities (ISH 1011)	I
482	HIST	204	Environmental History			I

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
483	HIST	403	Early National US, 1789-1824	198810	An analysis of the foundations of the United States as a new nation with emphasis on the major social, political, economic, and diplomatic events of the period.	I
484	HIST	405	US Natl Sectional, 1820-1860	198810	An analysis of the major social, political, economic, and cultural developments in the United States with emphasis on the major leaders and events involving the sectional conflict leading to the Civil War, 1820- 1860.	I
485	HIST	409	US Progressivism, 1878-1918	198810	America's rise to world significance at home and abroad between 1878 and 1918; the political, social, and economic problems entailed therein; and various efforts at reform.	I
486	HIST	441	Comparative Slavery	200410	Explores the types of bondage, unfree labor systems, and slavery and the slave trade throughout African history as well as in a number of geographical regions for comparison. Includes Africa, the Mediterranean, the Caribbean, and Central and South America. Prerequisite: HIST 150 or permission of the department chairperson.	I
487	HIST	449	American Culture Field Studies	201410	American culture, its art, economic life, educational systems, geography, history, industry, languages, music, and society. Students travel through designated areas in North America. Requires considerable reading before the trip and papers at the conclusion. With departmental approval, secondary social studies teacher-education students with a concentration in United States history may apply 3 hours of credit to category 1,2, or 3. A total of 6 hours of credit may be earned.	I
488	HIST	452	Women Modern European History	199810	Survey of women's experiences in modern European history. Examines the impact of major socio-cultural, political, and economic developments upon their lives; attitudes toward women's social roles; and their diverse attempts to change their social, political, economic, and sexual status.	I
489	HIST	453	Modern Western Culture	198810	Development of cultural and intellectual movements in the fine arts, literature, scholarship, political and economic thought, science, and social reform from the eighteenth century to the present. Emphasizes themes and problems of major significance.	I
490	HIST	456	Cold War and Europe Since 1945	198810	European origin of the Cold War and rebirth of a "new" but divided Europe with stress on East-West conflict, power blocs, international relations, and temporary decline of European influence; ideological, political, economic, and social development, including competition between Western and Sovietized Eastern Europe.	I
491	HIST	458	Euro Strategy and Diplomacy	200610	Examines, interprets, and evaluates British, German, Russian, French, Italian, and Austrian strategy and diplomacy--and economic, geographic, ideological, and military foundations of national power--focusing upon the "German Question," Eurocentrism, imperialism, two world wars, renewed multipolarity, the European Community, and the Cold War.	I
492	HIST	464	Byzantine Civilization	198810	Survey of the political, socioeconomic, and intellectual development of the Byzantine Empire from its beginnings to 1453, with special emphasis on Byzantine religious and cultural contributions and relations with the European and Muslim worlds.	I

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
493	HIST	467	Renaissance and Reformation	198810	Specialized study of the crises, changes, and cultural achievements of Europe in an age of transition. Emphasizes such major topics as the late medieval crises, Italian and northern Renaissance thought and art, the religious crisis of the sixteenth century, and political, social, and economic problems of Renaissance Europe.	I
494	HIST	469	World Civ Field Studies	201410	Studies in world civilizations--their history, art, economic life, educational systems, geography, industry, languages, music, and society-- through varied travel programs. Advance reading and a summary paper complement each year's travel program and are required. With departmental approval, secondary social studies teacher-education students with a concentration in world civilization may apply 3 hours of credit to category 1, 2, or 4. A total of 6 hours of credit may be earned.	I
495	HIST	475	Britain, 1485-1714	198810	A survey of the political, social, and economic history of England in the Tudor and Stuart periods. Emphasizes the rise of the national state, religious conflicts, the development of the power of Parliament, and overseas exploration and colonization.	I
496	HIST	491	Topics in Middle East History	199210	Selected issues and problems in the Middle Eastern world since Muhammed. Topics may include the expansion of Islam, slavery in the Middle East, the economic and social history and the Ottoman empire, the Arab/Israeli dispute, and recent national and international crises.	I
497	HIST	493	History of Pre-modern Japan	199210	Analytical survey of pre-modern Japanese history to circa 1600, focusing on the ideological, political, social, economic, and cultural developments that build a foundation for the understanding of modern Japan.	I
498	HIST	496	Modern Japan, 1600 to Present	201410	Descriptive and analytical survey of political and economic developments, foreign policy, and social and cultural change in modern Japan with emphasis on conditions contributing to its rapid modernization, nationalist and expansionist movements, and dynamic postwar recovery.	I
499	Graduate courses					
500	HIST	503	Early National US, 1789-1824	198810	The foundations of the United States as a new nation with emphasis on the major social, political, economic, and diplomatic events of the period. Not open to students who have credit in HIST 403.	I
501	HIST	505	US Nat'l Sectional, 1820-1860	198810	The major social, political, economic, and cultural developments in the United States with emphasis on the major leaders and events involved in the sectional conflict leading to the Civil War, 1820-1860. Not open to students who have credit in HIST 405.	I
502	HIST	509	US Progressivism, 1878-1918	198810	America's rise to world significance at home and abroad between 1878 and 1918; the political, social, and economic problems and various efforts at reform. Not open to students who have credit in HIST 409.	I
503	HIST	541	Comparative Slavery	200310	Explores the types of bondage, unfree labor systems, and slavery and the slave trade throughout African history as well as in a number of geographical regions for comparison. Includes Africa, the Mediterranean, the Caribbean, and Central and South America. Prerequisite: permission of the department chairperson. Not open to students who have credit in HIST 441.	I

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
504	HIST	549	American Culture Field Studies	201410	American culture, its art, economic life, educational systems, geography, history, industry, languages, music, and society. Students will travel through designated areas in North America. Before the trip, considerable reading in various fields pertinent to the course will be required. At the conclusion, papers will be required. A total of 6 hours of credit may be earned, but no more than 3 in any one semester or term. Not open to students who have credit in HIST 449.	I
505	HIST	553	Modern Western Culture	201410	Selected studies in the development of cultural and intellectual movements in the fine arts, literature, scholarship, political and economic thought, science, and social reform from the eighteenth century to the present. Emphasizes themes and problems of major significance. A total of 6 hours of credit may be earned, but no more than 3 in any one semester or term.	I
506	HIST	556	Cold War and Europe Since 1945	198810	European origin of the Cold War and rebirth of a "new" but divided Europe with stress on East-West conflict, power blocs, international relations, and temporary decline of European influence; ideological, political, economic, and social development, including competition between Western and Sovietized Eastern Europe. Not open to students who have credit in HIST 456.	I
507	HIST	558	Euro Strategy and Diplomacy	199510	Examines, interprets, and evaluates British, German, Russian, French, Italian, and Austrian strategy and diplomacy--and economic, geographic, ideological, and military foundations of national power--focusing upon the "German Question," Eurocentrism, imperialism, two world wars, renewed multipolarity, the European Community, and the Cold War. Not open to students who have credit in HIST 458.	I
508	HIST	564	Byzantine Civilization	198810	Political, socioeconomic, and intellectual development of the Byzantine Empire from its origins to 1453. Emphasizes Byzantine religious and cultural contributions and relations with Western Europe, the Slavic peoples, and the Muslim world. Not open to students who have credit in HIST 464.	I
509	HIST	569	World Civ Field Studies	201410	World civilizations--their history, art, economic life, educational systems, geography, industry, languages, music, and society--through varied travel programs. Advance reading and a summary paper are required to complement each year's travel program. Prerequisite: permission of the department chairperson. A total of 6 hours of credit may be earned, but no more than 3 in any one semester or term. Not open to students who have credit in HIST 469.	I
510	HIST	575	Britain, 1485-1714	198810	A survey of the political, social, and economic history of England in the Tudor and Stuart periods. Emphasizes the rise of the national state, religious conflicts, the development of the power of Parliament, and overseas exploration and colonization. Not open to students who have credit in HIST 475.	I
511	HIST	591	Topics in Middle East History	199210	Selected issues and problems in the Middle Eastern world since Muhammad. Topics may include the expansion of Islam, slavery in the Middle East, the economic and social history of the Ottoman empire, the Arab/Israeli dispute, and recent national and international crises. Not open to students who have credit in HIST 491.	I

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
512	HIST	593	History of Pre-modern Japan	199210	Analytical survey of premodern Japanese history to ca. 1600, focusing on the ideological, political, social, economic, and cultural developments that provide a foundation for the understanding of modern Japan. Not open to students who have credit in HIST 493.	I
513	HIST	596	Modern Japan, 1600 to Present	199210	Descriptive and analytical survey of political and economic developments, foreign policy, and social and cultural change in modern Japan with emphasis on conditions contributing to its rapid modernization, nationalist and expansionist movements, and dynamic postwar recovery. Not open to students who have credit in HIST 496.	I
514						
515	Department of Mathematical Sciences					
516	Undergraduate courses					
517	MATH	335	Mathematical Models	201310	Construction of mathematical models for use with problems in physics, chemistry, biology, and economics. Emphasizes the construction and interpretation of models. Existing computer software will be used. Prerequisite: C- or better in MATH 166 and 217, or permission of the department chairperson.	I
518	MATH	459	Models in Financial Economics	201410	Mathematical and economic analysis of financial instruments and the management of financial and investment risk. Prerequisite: C- or better in MATH 320 and 351; or permission of the department chairperson.	I
519	Graduate courses					
520	MATH	559	Models in Financial Economics	201410	Mathematical and economic analysis of financial instruments and the management of financial and investment risk. Prerequisite: MATH 320 or 620 and 351 or 551; or permission of the department chairperson. Not open to students who have credit in MATH 459.	I
521						
522	Department of Modern Languages and Classics					
523	Undergraduate course					
524	CC	205	Mythologies of the World	199010	Classical mythology (Greek and Roman) will represent Western tradition in a comparative study with other mythologies of the world. Emphasizes understanding mythologies as symbolic cultural systems expressing societal values.	I
525	FR	102	Beginning French 2			I
526	FR	301	French Conversation			I
527	Department of Natural Resources and Environmental Management					
528	Undergraduate courses					
529	NREM	101	Environment and Society	201410	Study of human roles in conservation resource management, environmental quality, and sustainable development. Effects of population and technology on environmental systems including air, energy, minerals, soil, water, vegetation, and wildlife. Environmental ethics, outdoor recreation, and public lands management are also covered. Laboratory and field activities.	I

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
530	NREM	201	Undergraduate Seminar	200210	Career and internship planning, resume development, overview of natural resource and environmental management, orientation to community environmental resources. Emphasizes professional development of NREM majors. Includes field trip and other activities outside of the classroom. Prerequisite: NREM 101 or equivalent. Open only to NREM majors; others by permission of the department chairperson.	I
531	NREM	203	Decision-Making in Nat Res Mgt	201010	Application of decision-making principles to natural resource management. Instruction in the use of basic microeconomic principles (investment, capital recovery, property rights, opportunity costs, discounting, compounding, prices) in practical resource management situations within the constraints of environmental laws and regulations. Uses simple algebraic and graphical tools.	I
532	NREM	205	Internatnl Natural Resources	199610	An analysis of problems occurring as a result of development and use of natural resources worldwide. The role of resource management and conservation to enhance the carrying capacity of the earth. A case-study approach to the management of global environmental problems.	I
533	NREM	307	Env Mgt Developing Countries	200210	Survey of challenges facing management of urban environments and the rural-urban interface in the developing nations of Asia, Africa, Latin America, and Pacific Oceania. Features interdisciplinary approach with frequent guest speakers to discuss existing and potential management, economic, technical, and policy solutions in their regional, cultural, and historic contexts.	I
534	NREM	309	Human Dimensions Global Change	201010	Systematic exploration of major topics of human and environmental change from local to global scales, including: population, energy, agriculture, industry, technology, urbanization, water, climate, natural hazards, socioeconomic systems, land use, trade, marginalized societies, and biodiversity. Prerequisite: junior standing; or permission of the instructor.	I
535	NREM	331	Energy and Mineral Resources	199610	Appraisal of the problems, prospects, and societal and technical issues surrounding the use of energy and mineral resources. Emphasizes environmental problems and ecoenergetics, consideration of the natural resource base, distribution and production problems, conservation, alternative energy systems, resource policy, and research.	I
536	NREM	346	Indoor Environmental Quality	200410	Focuses on air quality in residential and nonresidential indoor environments; contaminants; health effects; sick buildings; diagnosis and measurement; mitigation measures. Lab and field experiences.	I
537	NREM	357	Internat Community Development	201010	Application of practical methods to problems of development in poor rural agrarian communities and environmental management in poor urban communities in Asia, Africa, and Latin America. Emphasizes face-to-face methodologies to the identification and development of workable solutions to resource and environmental problems of disadvantaged populations in developing nations.	I

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
538	NREM	387	Solid Hazardous Waste Mgt	199610	Delineation of solid and hazardous waste management in the United States. Waste reduction, recycling, processing, and disposal methods are discussed. Technical, political, and economic aspects of waste management. Effects of improper disposal on environmental quality. Prerequisite: junior standing or permission of the department chairperson.	I
539	NREM	392	Environmental Interpretation	199610	Develops skills and techniques necessary to the interpretation of ecological and environmental characteristics of earth systems. Emphasizes field work and creative presentation of concepts, and organization and management of interpretive programs including sites and facilities. Prerequisite: NREM 101 or its equivalent; junior standing.	I
540	NREM	401	Forest Plan	201410	Introduces students to the social, economic, and ecological forces that shape U.S. private forests. Takes an in-depth look at forest landowner values, attitudes, and perceptions of forests and linkages to management decision-making strategies and behaviors. Also introduces students to the skills they will need to interact with private forest landowners (PFLs) and forest management professionals. Students will develop forest stewardship plans based on interactions with PFLs on their property and information from forest professionals. Prerequisite: NREM 101, 211, and 221 or permission of instructor or department chairperson.	I
541	NREM	405	Integrated Resource Management	200210	Systems perspective on holistic or integrated planning and management of natural resources. Stresses data analysis and its role in the decision-making process. Prerequisite: all core courses in natural resources and environmental management (or concurrent enrollment); senior standing.	I
542	NREM	422	Soil Quality	201410	Chemical, physical, and biological properties of soil that affect plant production and other land uses. Emphasizes nutrient cycles in natural and cropped systems. Use and fate of pesticides. Land application of agricultural and urban wastes. Prerequisite: NREM 221 or its equivalent; CHEM 111 or its equivalent or permission of the department chairperson.	I
543	NREM	427	Soil Conservation and Mgmt	201410	Stresses principles and methods of control of soil erosion using basic soil concepts. Studies management systems and individual practices with special emphasis on soil resource maintenance. Prerequisite: NREM 221 or permission of the department chairperson.	I
544	NREM	488	Site Assessment Remediation	201010	Experience with Phase I and Phase II environmental site assessments. Conventional and innovative technologies for remediation of contaminated soils and groundwater. Review of relevant environmental regulations. Some environmental chemistry. Prerequisite: CHEM 231 or permission of the instructor. Open only to juniors or seniors.	I
545	Graduate courses					

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
546	NREM	501	Forest Plan	201410	Introduces students to the social, economic, and ecological forces that shape U.S. private forests. Takes an in-depth look at forest landowner values, attitudes, and perceptions of forests and linkages to management decision-making strategies and behaviors. Also introduces students to the skills they will need to interact with private forest landowners (PFLs) and forest management professionals. Students will develop forest stewardship plans based on interactions with PFLs on their property and information from forest professionals.	I
547	NREM	507	Env Mgt Developing Countries	200310	Survey of challenges facing management of urban environments and the rural- urban interface in the developing nations of Asia, Africa, Latin America, and Pacific Oceania. Features interdisciplinary approach with frequent guest speakers to discuss existing and potential management, economic, technical, and policy solutions in their regional, cultural, and historical contexts. Not open to students who have credit in NREM 307.	I
548	NREM	522	Soil Quality	200710	Chemical, physical, and biological properties of soil that affect plant production and other land uses. Emphasizes nutrient cycles in natural and cropped systems. Use and fate of pesticides. Land application of agricultural and urban wastes. Prerequisite: CHEM 111 or equivalent; or permission of the department chairperson. Not open to students who have credit in NREM 422.	I
549	NREM	527	Soil Conservation and Mgmt	200710	Principles and methods of controlling soil erosion, stressing use of basic soil concepts. Management systems and individual practices, with special emphasis on soil resource maintenance. Not open to students who have credit in NREM 427.	I
550	NREM	531	Energy and Mineral Resources	199510	Appraisal of the problems, prospects, and societal and technical issues surrounding the use of energy and mineral resources. Emphasizes environmental problems and ecoenergetics, consideration of the natural resource base, distribution and production problems, conservation, alternative energy systems, resource policy, and research. Not open to students who have credit in NREM 331.	I
551	NREM	541	Air Quality	199510	Focuses on the contamination of the atmospheric environment. Topics include major contaminants; measurement techniques; dispersion; effects on the atmosphere, human health, vegetation, and materials; regulatory requirements and practices; control measures; noise pollution. Lab and field experiences. Not open to students who have credit in NREM 241.	I
552	NREM	546	Indoor Environmental Quality	200310	Focuses on problems in residential and nonresidential indoor environments; contaminants; health effects; sick buildings; diagnosis and measurement; mitigation measures. Lab and field experiences. Not open to students who have credit in NREM 346.	I
553	NREM	557	Internat Community Development	201110	Application of practical methods to problems of development in poor rural agrarian communities and environmental management in poor urban communities in Asia, Africa, and Latin America. Emphasizes face-to-face methodologies to the identification and development of workable solutions to resource and environmental problems of disadvantaged populations in developing nations. Not open to students who have credit in NREM 357.	I

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
554	NREM	587	Solid Hazardous Waste Mgt	199510	Delineation of solid and hazardous waste management in the United States. Waste reduction, recycling, processing, and disposal methods are discussed. Technical, political, and economic aspects of waste management. Effects of improper disposal on environmental quality. Not open to students who have credit in NREM 387.	I
555	NREM	588	Site Assessment Remediation	201110	Experience with Phase I and Phase II environmental site assessments. Conventional and innovative technologies for remediation of contaminated soils and groundwater. Review of relevant environmental regulations. Some environmental chemistry. Prerequisite: CHEM 231 or permission of the instructor.	I
556	NREM	592	Environmental Interpretation	200710	Develops skills and techniques necessary to the interpretation of ecological and environmental characteristics of earth systems. Emphasizes field work and creative presentation of concepts, and organization and management of interpretive programs including sites and facilities. Not open to students who have credit in NREM 392.	I
557	NREM	697	Advanced Topics in Env NR Mgt	200710	Advanced special topics course in environmental and natural resources management. Prerequisite: permission of the department chairperson. A total of 6 hours of credit may be earned, but no more than 3 in any one semester or term.	I
558						
559	Department of Philosophy and Religious Studies					
560	Undergraduate courses					
561	RELS	160	Intro to Religion in Culture			I
562	RELS	380	Religion and Ethics	200810	Critical examination of traditions of religious thought and ethics, with focus on a select topic, such as philanthropy and justice, human rights, war and nonviolence, or the environment. A total of 6 hours of credit may be earned, but no more than 3 in any one semester or term.	I
563						
564	Department of Physics and Astronomy					
565	Undergraduate courses					
566	APHY	420	Solar Thermal Systems	201410	Physics of the solar energy resource, solar collection, concentration, thermal conversion, energy storage, and the design and performance of solar thermal energy systems. Prerequisite: MATH 166 and PHYC 122.	I
567	ASTR	124	The Solar System	200910	Introduction to the scientific study of our Solar System and Earth as a planet. Topics include scientific methodologies, object classification, planetary environments and components, formation and evolution of the Solar System, space science, space exploration, and the search for life in the Solar System.	I
568	Graduate courses					
569	APHY	520	Solar Thermal Systems	200310	Physics of the solar energy resource, solar collection, concentration, thermal conversion, energy storage, and the design and performance of solar thermal energy systems. Prerequisite: PHYC 122; MATH 162 or 166. Not open to the students who have credit in APHY 420.	I
570						
571	Department of Physiology and Health Science					
572	Undergraduate courses					

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
573	AHSC	201	Introduction to Patient Care	201510	Introduction to the profession of medical imaging and patient care including basic concepts of the medical imaging profession, critical thinking and problem solving, introduction to the clinical environment, human diversity, patient care, and ethical and legal issues. Prerequisite: admission to the professional concentration phase of the radiography program. Parallel: AHSC 224 and 228 and 231. Open only to radiography students.	I
574	HSC	310	Healthcare Systems	201510	Provides students with an overview of the U.S. healthcare system, its components and the policy challenges created by its organization. Describes the structure and function of the various private and public health care entities within the U.S. Strengths and weaknesses related to cost, quality and access are also analyzed. Basic economic theories that drive financing will also be considered. Prerequisite: HSC 180 and 200; junior status.	I
575	HSC	468	Consumer Health Issues	199410	Health services and consumer protection organizations. Analysis of fraudulent health practices and nostrums, available health care systems, and health products.	I
576	HSC	482	Environmental Health	201510	Examines health issues, scientific understanding of causes, and possible future approaches to control of the major environmental health problems in industrialized and developing countries. The relationship of people to their environment, how it affects their physical well-being, and what they can do to influence the quality of the environment and to enhance the protection of their health are also emphasized. Basic concepts of the modes of transmission of environmental stressors from source or reservoir to host and methods of reducing their impact on human population are accentuated. Prerequisite: HSC 180.	I
577	Graduate courses					
578	HSC	582	Environmental Health	200110	Physical environment and its relationship to disease causation. Review of environmental health problems and their solutions. Areas of study include air and water pollution, food sanitation, disposal of human excreta and waste, radiation and occupational health problems, and risk.	I
579						
580	Department of Political Science					
581	Undergraduate courses					
582	POLS	281	Econ Pol Prob of Emerg Ntns	198810	Historical and contemporary problems of the less-developed nations. Conditions contributing to economic, political, and social change. Problems of economic development policies and programs within the institutional structure. Internal and external pressures that influence patterns of development. Prerequisite recommended: POLS 280. Not open to students who have credit in ECON 279.	I
583	POLS	312	Early West Pol Thought	200210	Analysis of political thought of the early Mediterranean and medieval worlds that became the foundation of modern political theories and systems of the West. Emphasis on the writings of Plato, Aristotle, Augustine, Aquinas, and Machiavelli.	I
584	POLS	347	Environmental Law and Policy	200210	Study of the American political and legal system's response to environmental problems. Politics of environmental policy making, problems of policy implementation, environmental law cases, and trends toward global environmental governance are considered. Prerequisite recommended: POLS 130.	I

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
585	POLS	395	Politics of the Global Economy	200610	Historical and theoretical introduction to the politics of international trade and payments, including barriers to trade, exchange rates, multinational corporations, financial crises, international economic institutions, and the problems of economic development. Prerequisite recommended: POLS 293.	I
586	POLS	466	Admin Prob in State Gov	200610	An analysis of administrative procedures and organizational behavior at the state level. Special emphasis is given to the provision of government services and functions in the major areas of budgeting and taxation, education, environmental protection, public health, and public works. Prerequisite: POLS 237 or 350 or permission of the department chairperson.	I
587	Graduate courses					
588	POLS	512	Early West Political Thought	198810	Analysis of political thought of the early Mediterranean and medieval worlds that became the foundation of modern political theories and systems of the West. Emphasizes writings by Plato, Aristotle, Cicero, St. Augustine, St. Thomas Aquinas, and Machiavelli. Not open to students who have credit in POLS 312.	I
589	POLS	538	Metropolitan Problems	198810	Cities and metropolitan communities; the nature, characteristics, functions, governmental structure, intergovernmental relations, social makeup and problems, economic base, decision-making structure, and other related topics; the present and future roles of planning and citizen participation in the entire community. Prerequisite: POLS 238. Not open to students who have credit in POLS 438.	I
590	POLS	547	Environmental Law and Policy	198810	The legal system's response to conflicting demands upon environmental resources. Composition of environmental problems, control issues, policy formulation, and legal remedies. Not open to students who have credit in POLS 347.	I
591	POLS	566	Admin Problems in State Gov	198810	Administrative procedures and organizational behavior at the state level. Emphasizes the provision of government services and functions in budgeting and taxation, education, environmental protection, public health, and public works. Prerequisite recommended: POLS 237 or 350. Not open to students who have credit in POLS 466.	I
592	POLS	642	Problems in Public Policy	200710	Current political, economic, and social problems in the United States. Examines different approaches to the study of public policy and problems inherent in carrying out the basic stages of the policy process including issue definition, choices among alternatives, agenda setting, decision-making, implementation, and evaluation. Prerequisite recommended: POLS 130.	I
593						
594	Department of Psychological Science					
595	Undergraduate courses					
596	Graduate courses					
597						
598	Department of Social Work					
599	Undergraduate courses					

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
600	SOCW	220	Social Welfare Policy 1	201410	Introduces the historical development, mission, and philosophy of social welfare in the United States with a focus on the analysis of current social welfare programs. Focuses on economic, religious, political, and other socio-cultural influences on contemporary welfare policies and services. Prerequisite: SOCW 100; or permission of the department chairperson. Open only to social work majors and minors and family life educator certification candidates.	I
601	SOCW	325	Human Behav and Social Envr 2	201510	Builds a foundational understanding of people and their social environments focusing primarily on factors that influence human behavior such as culture, class, race, ethnicity, sexual orientation, gender identity, gender, discrimination, economic forces, organizations, and communities. Covers theories and knowledge about the ways social systems promote or deter people in maintaining or achieving health and well-being. Prerequisite: SOCW 200 and 220 and 250; PSYS 100. Prerequisite or parallel: PSYS 367 or BIO 254; or permission of the department chairperson (PSYS 367 or BIO 254 waived for minors, family and consumer science - family and child: family studies concentration students, and women and gender studies majors and minors). Open only to social work majors and minors, family and consumer science - family and child: family studies concentration students, and women and gender studies majors and minors.	I
602						
603	Department of Sociology					
604	Undergraduate courses					
605	SOC	242	Social Problems	201410	Discussion and analysis of current social problems within American society. Examines political, economic, and social dimensions of problems, their causes, and possible solutions. Core Transfer Library: Behavioral Sciences/Humanities (ISH 1061)	I
606	SOC	260	Social Interaction	201410	Analysis of the interaction between people and their social environment. Examines the effects of groups and society on individuals.	I
607	SOC	312	Leisure	201410	Focuses on recreation, hobbies, media consumption, sports, folk arts, high culture, travel, and leisure industries. Quality of life issues and effects on the natural environment are also discussed. Prerequisite: SOC 100 or permission of the instructor.	I
608	SOC	355	Environment	201310	Addresses the role of social structures as cause, impediment, and solution to environmental and sustainability issues.	I
609	SOC	450	Sociology of Education	200610	Focuses on current theory and research in the sociology of education. Topics include the role of education in stratification, cross-cultural comparisons of educational systems, and the organization and culture of schools. (May not be used as a substitute for EDFO 420.) Prerequisite: SOC 100 plus 6 SOC hours, or permission of the instructor.	I
610						
611	Department of Speech Pathology and Audiology					
612	Undergraduate courses					
613	Graduate courses					
614						

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
615	Department of Counseling Psychology and Guidance Services					
616	Undergraduate course					
617	Graduate courses					
618	CPSY	664	Family Therapy	198810	Introduction to various theories and approaches to family therapy including psychoanalytic, systems, strategic, structural, communications, and behavioral. Examination of research in family therapy. Pre-practicum experience in conducting family assessment interviews and family counseling interviews.	I
619						
620	Department of Educational Leadership					
621	Graduate courses					
622	EDAD	630	Human Resource Development	200310	Focuses on techniques used to maintain effective human relations and use of human resources. Staff evaluation systems, staffing projections, staff- related record management, benefit programs, etc. Emphasizes negotiations in the public sector and contract management. Prerequisite: EDAD 600.	I
623	EDAD	636	Data-Bsd Decis Mking Chart	201110	Educational leaders should rely on data-driven decision making to guide their school improvement efforts and their understanding of their environments. This course provides charter school leaders with information regarding student assessment systems and state and federal accountability models. Current educational initiatives impacting educational services and standards-based expectations are included. Candidates will learn how to access and evaluate their own school-community data. Candidates will apply research-based decision making models as they analyze relevant school data in order to decide future directions leading to school improvement. Prerequisite: permission of the department chairperson. Open only to students seeking a certificate in charter school leadership or renewal of an administrative license.	I
624	EDAD	684	Educational Finance and Ethics	200310	Introduction to school finance and school business administration at all levels. Applies contemporary theories of economics to educational funding, sources of revenue, resource allocation considerations, and study of current trends in fiscal structure and operations in education. Includes discussion of ethics in school finance.	I
625						
626	Department of Educational Psychology					
627	Undergraduate courses					
628	EDPS	411	Creative Thinking	201310	Theories and strategies for fostering the creative self and developing creative thinking. Analyzes the effects of personality characteristics and of various biological, cognitive, motivational, and environmental conditions on the development of creative thinking.	I
629	EDPS	423	Social Emotional Needs Gifted	201310	Examination of the research related to gifted students and the social and emotional dimensions that are unique to this population. Emphasis is placed on understanding the lived experiences of gifted children as well as social interventions and curricular strategies that can be employed within various educational environments.	I
630	Graduate courses					

	A	B	C	D	E	F
1	Subject	CrseNo	Course Short Title	TermEffect	Course Description	
631	EDPS	611	Creative Thinking	201410	Theories and strategies for fostering the creative self and developing creative thinking. Analyzes the effects of personality characteristics and of various biological, cognitive, motivational, and environmental conditions on the development of creative behavior.	I
632	EDPS	623	Social Emotional Needs Gifted	201410	Examination of the research related to gifted students and the social and emotional dimensions that are unique to this population. Emphasis is placed on understanding the lived experiences of gifted children as well as social intervention and curricular strategies that can be employed with various educational environments.	I
633						
634	Department of Educational Studies					
635	Undergraduate courses					
636	Graduate courses					
637	EDCU	673	Curriculum Evaluation	201110	Students examine and apply approaches to the evaluation of various dimensions of the curriculum planning cycle in a Pre K-12 context in terms of their probable effect on learners and their ability to constrain or enable curricular decision-making for the values of democracy, equity, and diversity. Prerequisite: EDCU 601.	I
638						
639	Department of Elementary Education					
640	Undergraduate courses					
641	Graduate courses					
642						
643	Department of Special Education					
644	Undergraduate courses					
645	Graduate courses					