

# BALL STATE UNIVERSITY

## ACADEMIC POSTING

2014-2015

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VOLUME XLVI – 3

January 30, 2015

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This posting may contain all or part of the following: new, revised, and dropped programs, courses and prefixes. The posting period begins February 2, 2015. If no demurrer is received within ten school days, the changes will be certified for implementation. *The effective date for implementing the undergraduate and graduate materials posted after May 26, 2014 is Fall Semester 2015.*

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### COLLEGE OF APPLIED SCIENCES AND TECHNOLOGY

#### Department of Family and Consumer Sciences

#### FAMILY AND CONSUMER SCIENCES: FASHION APPAREL (FCFA)

##### New:

**384 Fashion Retailing, Management, and Branding (3)**  
Study of the merchandising and management functions in the fashion industry. Philosophies and technologies used by fashion merchandisers and retailers are included. The role of merchandising is analyzed relative to market research, planning and control, pricing strategies, supply chain management, branding and sourcing.

*Prerequisite:* FCFA 270 and 280.

**392 Professional Development for Fashion Merchandising (1)** Provides knowledge and skills in preparing for merchandising and buying careers in the fashion industry.

*Prerequisite:* FCFA 270 and 280.

##### Revised:

**275 Computerized Software and Presentation for the Fashion Industry (3)** Provides knowledge and skills in use of the common industry computer software for fashion design development and presentation.

*Prerequisite:* FCFA 102 for all majors; FCFA 265 for apparel design majors only.

**360 History of Costume (3)** A study of Western costume from its beginning to the present. Emphasis on motivating influences of each period as well as on the costume itself. Includes the study of historical fashion designers' contributions to fashion.

*Prerequisite:* FCFA 101 and 230 and 270.

**365 Study of Fashion Forecasting (3)** Provides an overview of the use of fashion forecasting to interpret trends for the fashion industry.

*Prerequisite:* FCFA 270.

**415 Apparel Manufacturing and Wholesaling (3)** Study of garment manufacturing and the decision-making process involved in producing, marketing, and merchandising apparel and other fashion-related products.

*Prerequisite:* MKG 300 or MGT 342 and FCFA 102.

**488 Fashion Buying, Merchandising and E-Commerce (3)**  
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.

#### FAMILY AND CONSUMER SCIENCES: FAMILY AND CHILD (FCFC)

##### Dropped:

**491 Child Study Center Administrative Practicum (3)**

##### New:

**394 Family Services Administration (3)** Introduces students to the primary skills, functions, and responsibilities associated with working in and leading nonprofit social service organizations. Structured to prepare students for professional careers working in agencies that provide services for families.

##### Revised:

**202 Child and Family Wellness (3)** 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.

**310 Promoting Prosocial Behavior in Young Children: Guidance and Cultural Factors (3)** Students will study the research-based theories and practices of developmentally appropriate guidance as applied to early care and education settings. Students will examine the relationships among family, community, and care, and will develop an understanding of anti-bias and multiculturalism as applied to child development.

**315 (491) Infant Toddler Curriculum and Environment (3)** 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.

**320 Leadership and Management in Child Development Programs (3)** Examine leadership and administrative issues that students will face in early care and education settings, including center-based programs, Head Start, and family childcare options.

*Prerequisite:* FCFC 265 or 275 or 315.

**380 Parenting (3)** Research-based parenting practices supporting the positive development of children in diverse families throughout the life cycle.

*Prerequisite:* FCFC 250 or 315.

## **FAMILY AND CONSUMER SCIENCES: FOODS AND NUTRITION (FCFN)**

### **Dropped:**

**571 Computer Applications in Family and Consumer Sciences (3)**

### **New:**

**448 Nutrition and Weight Management (3)** A study of the etiology, pathophysiology, and interdisciplinary treatment of overweight and obesity. An emphasis will be placed on nutrition as a treatment modality, and the role of nutrition research in guiding public policy.

*Prerequisite:* FCFN 340.

**645 Nutrition and Food Policy (3)** Explores the relationships between agricultural practices, diet patterns, food procurement and distribution, nutrition policy formation and implications at the local, state, federal, and international levels with a focus on how food and nutrition policies effects health.

## **FAMILY AND CONSUMER SCIENCES: INTERIOR DESIGN (FCID)**

### **Revised:**

**120 Graphic Communication 2 (3)** Visual communication techniques for interior designers. Emphasis on computer applications and basic training for Computer Aided Drafting (CAD).

**369 Internship in Interior Design (1-6)** 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.*

## **FAMILY AND CONSUMER SCIENCES (FCS)**

### **Revised:**

**103 Family and Consumer Sciences Body of Knowledge (3)** 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.*

## **School of Nursing**

### **NURSING (NUR)**

### **Revised:**

**790 Practicum 1 (3)** Practice experiences are designed to achieve specific learning objectives related to the DNP Essentials and NONPF Competencies. Experiences include in-depth work with experts from nursing as well as other disciplines and provide opportunities for meaningful engagement within practice environments. These experiences provide the context for the DNP project.

*Prerequisite:* NUR 792.

*Open only to DNP students.*

**791 Practicum 2 (3)** Practice experiences are designed to achieve specific learning objectives related to the DNP Essentials and NONPF Competencies. Experiences include in-depth work with experts from nursing as well as other disciplines and provide opportunities for meaningful engagement within practice environments. These experiences provide the context for the DNP project.

*Prerequisite:* NUR 790 and 792.

*Open only to DNP students.*

**793 DNP Project 2 (3)** The student implements and evaluates outcomes of the evidence-based scholarly project to improve the quality of health care and health outcomes in clinical and community settings. The project must be significant and

suitable for dissemination through professional venues.  
Clinical experience includes project dissemination activities.

*Prerequisite:* NUR 790 and 792.

*Open only to* DNP students.

## School of Physical Education, Sport, and Exercise Science

### ATHLETIC COACHING EDUCATION (ACE)

#### Revised:

**604 Physical Preparation and Conditioning (3)** Study of the response of physiological systems to training and conditioning, design training and conditioning programs, the effects of nutrition on health and performance, and the use and abuse of drugs in athletes.

*Prerequisite:* permission of the athletic coaching education program coordinator.

*Open only to* students in the School of Physical Education, Sport, and Exercise Science.

**610 Psychology of Coaching (3)** Study of the social psychological forces that have profound effects on the interactions of coach and athlete.

*Prerequisite:* permission of the athletic coaching education program coordinator.

*Open only to* students in the School of Physical Education, Sport, and Exercise Science.

**612 Growth and Development for Coaches (3)** Study of the physical, social, and emotional development of athletes from youth through adulthood, providing experiences appropriate to the development period.

*Prerequisite:* permission of the athletic coaching education program coordinator.

*Open only to* students in the School of Physical Education, Sport, and Exercise Science.

**618 Skills and Tactics for Coaches (3)** Study of competitive tactics and strategies, scouting, practice planning, and some analysis in athletics.

*Prerequisite:* permission of the athletic coaching education program coordinator.

*Open only to* students in the School of Physical Education, Sport, and Exercise Science.

**625 Evaluation in Coaching (3)** Includes development of athlete, team, athletic personnel, and program evaluation procedures.

*Prerequisite:* permission of the athletic coaching education program coordinator.

*Open only to* students in the School of Physical Education, Sport, and Exercise Science.

**632 Philosophy and Ethics (3)** The study of methods to reinforce and advocate for positive opportunities resulting from sport involvement, values to be developed through sport involvement, ethical conduct, and how to facilitate social and emotional growth of athletes.

*Prerequisite:* permission of the athletic coaching education program coordinator.

*Open only to* students in the School of Physical Education, Sport, and Exercise Science.

**670 Sport Safety and Injury Prevention (3)** Includes methods for recognizing and ensuring safe playing conditions; role of protective equipment and proper conditioning procedures for injury prevention; management of injuries.

*Prerequisite:* permission of the athletic coaching education program coordinator.

*Open only to* students in the School of Physical Education, Sport, and Exercise Science.

**675 Teaching and Motivation for Coaches (3)** The study of the use of effective teaching methods to introduce and refine sport principles and technical skills and to appropriately and effectively motivate athletes.

*Prerequisite:* permission of the athletic coaching education program coordinator.

*Open only to* students in the School of Physical Education, Sport, and Exercise Science.

**688 Current Issues in Coaching Research (3)** In-depth study of emerging research in coaching athletic teams. Special emphasis on collecting, analyzing, and applying research from related disciplines for application to future research on coaching.

*Prerequisite:* PEP 601; permission of the athletic coaching education program coordinator.

*Open only to* students in the School of Physical Education, Sport, and Exercise Science.

**692 Organization and Administration for Coaches (3)** Studies the development of objective and effective procedures for the evaluation and selection of personnel involved in athletic programs and for program reviews, facilitation of appropriate emergency care procedures, legal responsibilities associated with coaching, and organization required for implementing sport programs.

*Prerequisite:* permission of the athletic coaching education program coordinator.

*Open only to* students in the School of Physical Education, Sport, and Exercise Science.

### EXERCISE SCIENCE (EXSC)

#### Revised:

**201 Sport Performance Concepts and Assessment (3)** An introduction to the knowledge and skills necessary to administer assessments of physiological components related to sport and athletic performance.

*Prerequisite:* EXSC 292 or ANAT 201.

### SPORT ADMINISTRATION (SPTA)

#### Dropped:

**695 Administration of Personnel in Sport (3)**

## New:

**620 Seminar in Sport Administration (1-6)** The seminar in sport administration is designed to cover in-depth contemporary topics in the sport administration/management field. The topic of the course is unique to the semester of delivery and will have practical implications for students desiring employment in the sport industry. Topics will be determined based on industry demands, faculty expertise/interest, student interest, and feasibility of delivery. Potential seminar topics include, but are not limited to: sport sales/sponsorship, youth sport, professional sport, and sport media/communication.

*Prerequisite:* permission of the program coordinator.

A total of 6 hours of credit may be earned.

*Open only to* physical education and sport: sport administration majors.

## COLLEGE OF ARCHITECTURE AND PLANNING

### Department of Landscape Architecture

#### LANDSCAPE ARCHITECTURE (LA)

#### Dropped:

**311 Landscape Architectural Engineering 1 (4)**

**413 Landscape Architectural Engineering 3 (4)**

#### Revised:

**211 (311) Landscape Architectural Engineering 1 (4)**

Principles and practices of landscape engineering. Emphasizes the techniques and applications of land surveying, earthwork techniques including grading and estimation, and principles of site drainage.

*Prerequisite:* LA 270.

*Open only to* LA majors and minors.

**280 Computer Applications in Landscape Architecture (3)**

An introduction to the use of computers in landscape architecture. Emphasizes two- and three-dimensional computer-aided design and drawing, landscape data inventory and analysis, and landscape engineering.

*Parallel:* LA 201.

*Open only to* LA majors and minors.

**313 (413) Landscape Architectural Engineering 3 (4)**

Principles and practices of landscape engineering and construction. Emphasizes roadway and parking lot engineering, practices of storm water management, and advanced grading.

*Prerequisite:* LA 211.

*Open only to* LA majors.

## Department of Urban Planning

### URBAN PLANNING (PLAN)

#### New:

**101 Introduction to Planning (3)** 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.

## MILLER COLLEGE OF BUSINESS

### MASTER OF BUSINESS ADMINISTRATION (MBA)

#### Revised:

**623 Electronic Commerce (3)** Focuses on the unique issues facing businesses involved in electronic commerce. Specific topics include e-business models, e-commerce technology, electronic marketing, electronic funds transfer, and e-commerce security and controls.

*Prerequisite:* full admission to a graduate program of the Miller College of Business or by permission of the Miller College of Business director of graduate programs.

### Department of Economics

#### ECONOMICS (ECON)

#### New:

**321 Advanced Business Statistics (3)** This second course in business statistics focuses on statistical techniques used in business and economics. Topics include categorical data analysis, analysis of variance, multivariate regression analysis, and distinguishing relevant from spurious correlations. Also includes communication skills for explaining statistical results to audiences without knowledge of statistics.

*Prerequisite:* ECON 221 or equivalent or permission of the department chairperson.

### Department of Information Systems and Operations Management

#### BUSINESS ANALYTICS (BA)

#### New:

**305 Introduction to Business Analytics (3)** Introduction to

data-driven business management and business analytics. Provides the business rationale for leveraging analytics to improve organizational performance and the challenges businesses face on analytics. Introduces the basics of data science and business analytics for handling massive databases. Covers concepts such as ethical use of data, data mining, data management, the use of key performance indicators, dashboards and scorecards for performance management, text and web mining, and big data analysis.

*Parallel:* ECON 321.

**345 Data Mining for Business Analytics (3)** Designed to facilitate the understanding of how to leverage business intelligence and analytics in their organization. Examines critical areas of analytics such as text analytics, descriptive analytics, predictive analytics, and prescriptive analytics. Students learn to apply logistic regression, association rules, tree structured classification and regression, cluster analysis, discriminant analysis, and neural networks to address critical business issues and enable/drive businesses to transform their organizations.

*Prerequisite:* BA 305, ECON 321, or permission of the department chairperson.

**436 Data Warehouse and Business Intelligence (3)**

Introduces the topics of how to collect, manage, mine, analyze, and interpret large amounts of structured data, while creating visual representations of this information using industry tools and technologies. Includes dimension modeling, database requirements, data management processes within a data warehouse. Students will create data-driven proposals based on case studies and build dashboards to help with executive decision support.

*Prerequisite:* BA 345 or permission of the department chairperson.

**482 Managing Big Data (Capstone Course) (3)** Introduces students to the analysis of unstructured data. Applies the skills such as data mining, visualization, and other techniques learned in prior business analytics courses to data that is not organized within a relational database. Incorporates an introduction to unstructured Big Data, the business analytics lifecycle, machine learning (ML), R & RS Studio, as well as data management ecosystems such as Hadoop (Map Rescue, HDFS, Storm, Kafka, Cassandra). The lab exercises focus on analyzing unstructured data.

*Prerequisite:* BA 436 or permission of the department chairperson.

**INFORMATION SYSTEMS AND OPERATIONS MANAGEMENT (ISOM)**

**Revised:**

**613 Systems and Data Management: Analysis and Design (3)** Concepts and techniques for the analysis of information needs. Specification of data structures and system requirements in the design, development, and implementation of computer-based data management systems including structured and prototype development of commercial database management systems.

*Prerequisite:* full admission to a graduate program in the Miller College of Business or by permission of the Miller College of Business director of graduate programs.

**Department of Management**

**Revised:**

**MAJOR IN ENTREPRENEURIAL MANAGEMENT (BA/BS), 69 hours**

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CR HRS</i>
Miller College of Business core, 42 hours			
ACC	201	Principles of Accounting 1	3
	202	Principles of Accounting 2	3
BL	260	Principles of Business Law	3
ECON	201	Elementary Microeconomics	3
	202	Elementary Macroeconomics	3
	221	Business Statistics	3
FIN	300	Principles of Finance	3
ISOM	210	Business Information Systems	3
	249	Foundations of Business Comm	3
	351	Operations Management	3
MATH	132	Brief Calculus	3
MGT	300	Managing Behavior in Org	3
	491	Bus Policy and Strategy Mgt	3
MKG	300	Principles of Marketing	3
			42 hrs
Required, 21 hours			
MGT	241	The Entrepreneurial Experience	3
	341	Opportunity Identification	3
	346	Product and Service Design	3
	347	Business Model Generation	3
	441	Entrep Decision Making	3
	443	Venture Financing	3
	449	New Venture Creation	3
			21 hrs
Electives, 6 hours from			
MGT	243	Dynamics of Family Business (3)	
	244	Social Entrepreneurship (3)	
	343	Venture Leadership (3)	
	361	Managing Human Resources (3)	
	369	Management Internship (3)	
	409	Business Ethics (3)	
TDPT	280	3D Prototyping (3)	
TEDU	102	Design Techniques (3)	
TMFG	161	Intro Manufacturing Industries (3)	6
			69 hrs

To pursue this program, students must have sufficient mathematical preparation to meet the prerequisite for ECON 221. The prerequisite for ECON 221 is a C or better grade in MATH 111 or a passing grade (D- or better) in MATH 132, 161, 162, 165, or 166. MATH 132 simultaneously substitutes for the University Core Curriculum math requirement.

## MANAGEMENT (MGT)

### New:

**243 Dynamics of Family Business (3)** Examination of key challenges unique to family business and family business succession, and a comparison to non-family owned firms.

**343 Venture Leadership (3)** Examines the importance of a holistic understanding of ventures, including strategy, management, operations, human capital, funding, stewardship, and financial management.

*Prerequisite:* ECON 116 or 201 or ACC 201; MGT 241.

## Department of Marketing

### MARKETING (MKG)

### Revised:

**450 Social Media Marketing and Web Analytics (3)** Study of social media marketing analytics and web analytics as a means to optimize websites, social media content, and e-commerce sites for products and services in both consumer and organizational markets. Major platforms and marketing analytics technology tools and reports will be used to make marketing decisions.

*Prerequisite:* BA 305 and 345 or permission of the department chairperson.

## COLLEGE OF COMMUNICATION, INFORMATION, AND MEDIA

### Department of Telecommunications

### Revised:

#### MINOR IN FILM/SCREENWRITING, 18 hours

PREFIX	NO	SHORT TITLE	CR HRS
ENG	285	Intro to Creative Writing	3
	310	Screenwriting	3
TCOM	363	Film Genres	3

3 hours from

ENG	410	Adv Screenwriting (3)	
	425	Film Studies (3)	3

Choose one for the following groups:

TCOM	360	World Film History 1 (3)	
		and	

3 hours from

TCOM	365	Documentary Film History (3)	
	465	Film Theory Seminar (3)	

or

TCOM	361	World Film History 2 (3)	
		and	

3 hours from

TCOM	365	Documentary Film History (3)	
	465	Film Theory Seminar (3)	6

18 hrs

Minors in creative writing may count ENG 285 in both minors. Majors in the TCOM digital production concentration may count ENG 285 and ENG 310 in both the major and minor.

The Minor in Film/Screenwriting is not open to TCOM majors in film and media studies concentration.

## COLLEGE OF SCIENCES AND HUMANITIES

### Department of Biology

#### MEDICAL TECHNOLOGY (MEDT)

### New:

**408 Clinical Practicum (1-10)** Includes rotations throughout all areas of the clinical laboratory following all pertinent didactic courses. Students learn time management, multi-tasking and team participation as they work alongside clinical laboratory scientists in each section. Basic operation and function of all the instrumentation as well as common troubleshooting and problem resolution are emphasized. This course primarily focuses on practical skills, but correlation with clinical material is included as well.

A total of 10 hours of credit may be earned.

*Open only to medical technology majors in clinical year.*

### Department of English

### Revised:

#### MASTER OF ARTS IN LINGUISTICS, 36 hours

##### Admission requirements

Applicants must meet the admission requirements of the Graduate School, have an undergraduate grade-point average (GPA) of at least 3.0, and have the equivalent of at least two years of college-level study of foreign language (requirement can be met during MA program). To apply, submit a statement of purpose (750-1000 words), a sample of scholarly or critical writing (8-15 pp double-spaced), three letters of recommendation, and Graduate Record Examination (GRE) scores. Non-native speakers of English may submit Test of English as a Foreign Language (TOEFL) scores of at least 79 (or equivalent) in place of GRE scores.

##### Degree requirements

PREFIX	NO	SHORT TITLE	CR HRS
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ENG 520 or the equivalent will be required but will not count towards required hours in the degree.

Major requirements

ENG	621	Meaning and Structure in Eng	3
	623	Phonetics and Phonology	3
	625	Phonology	3
	626	Morphology and Syntax	3
	627	Sociolinguistics	3

Directed electives (at least 12 hours from the following courses):

ENG	622	History of English Language (3)	
	628	Language and Culture (3)	
	629	Topics in Applied Linguistics (3)	
	630	Contrastive Analysis (3)	
	631	Historical Linguistics (3)	
	632	Discourse Analysis (3)	
	682	Topics in Eng Linguistics (3)	
	686	Topics in Linguistics (3)	12

Electives

(3 hours, an additional course from the directed electives or any of the following):

ENG	624	Found of Sec Lang Acquisition (3)	
	684	Topics in Sec Lang Acquisition (3)	
	693	Writing in the Profession (3)	3

Research requirement

ENG	601	Research in English Studies	3
		and	
RES	697	Research Paper (1-3)	
		or	
CRPR	698	Creative Project (3 or 6)	3

36 hrs

Depending on the nature of the student's research, the student may also be advised to take one or more courses in Experimental Design and Statistics in addition to other course work.

**MINOR IN FILM/SCREENWRITING, 18 hours**

PREFIX	NO	SHORT TITLE	CR HRS
ENG	285	Intro to Creative Writing	3
	310	Screenwriting	3
TCOM	363	Film Genres	3

3 hours from

ENG	410	Adv Screenwriting (3)	
	425	Film Studies (3)	3

Choose one for the following groups:

TCOM	360	World Film History 1 (3)
		and

3 hours from

TCOM	365	Documentary Film History (3)
	465	Film Theory Seminar (3)
		or
TCOM	361	World Film History 2 (3)
		and

3 hours from

TCOM	365	Documentary Film History (3)	
	465	Film Theory Seminar (3)	6
			<hr/>
			18 hrs

Minors in creative writing may count ENG 285 in both minors. Majors in the TCOM digital production concentration may count ENG 285 and ENG 310 in both the major and minor.

The Minor in Film/Screenwriting is not open to TCOM majors in film and media studies concentration.

**MINOR IN PROFESSIONAL WRITING AND EMERGING MEDIA, 15 hours**

This program provides students with understanding and practice in the genres and conventions of effective professional writing and communication in both traditional and emerging media environments.

PREFIX	NO	SHORT TITLE	CR HRS
ENG	213	Intro to Digital Literacies	3
	231	Professional Writing	3
	329	Editing and Style (3)	
		or	
	489	Prac in Lit Editing and Publish (3)	3
	335	Writ and Read Public Discourse (3)	
		or	
	430	Document Design (3)	3
	431	Rhet Writ and Emerging Media	3
			<hr/>
			15 hrs

ENG 306, 307, 308, or 310 should be taken to satisfy the prerequisite for ENG 489, if elected. ENG 104 or 114 should be taken to satisfy the prerequisite for ENG 430, if elected.

**ENGLISH (ENG)**

**Dropped:**

**606 Literary Theory 1 (3)**

**691 Advanced Composition (3)**

**New:**

**389 Practicum in Peer Tutoring in Writing (3)** Theories and practice of teaching writing and multiliteracies in non-classroom settings. Includes classroom discussion of writing theories and writing center pedagogies and field experience in writing center or similar setting.

*Prerequisite:* special permission only.

**430 Document Design and Visual Rhetoric (3)** Explores visual rhetoric, particularly focused on theories and best practices for the production of document designs. Familiarizes students with processes and techniques for producing and refining professional document designs.

*Prerequisite:* ENG 104 or 114.

**688 Writing Program Administration (3)** A historical, theoretical, and practical overview of issues involved in writing program administration. Focus on directing first-year writing programs, but with some attention to writing centers, WAC/WID, and other types of programs. Includes readings and discussion of management, curriculum, faculty development, assessment, research, and institutional navigation.

*Prerequisite:* permission of the department chairperson.

**689 Writing Center Research and Administration (3)** Exploration of historical, theoretical, and empirical writing center scholarship. Intended to prepare graduate students for future administration positions.

*Prerequisite:* approval by the department chairperson.

**Revised:**

**431 Rhetoric, Writing, and Emerging Media (3)** Emphasizes and explores theories and practices of networked writing activity inherent in emerging media platforms and applications. This course has an applied focus, such that students will produce professional and public content for the Web, including a professional portfolio.

*Prerequisite:* ENG 213.

**Department of Mathematical Sciences**

**Revised:**

**MASTER OF ARTS IN ACTUARIAL SCIENCE, 30-34 hours**

The master's program in actuarial science provides training for careers that involve analyzing and solving financial, business, and social problems related to economic risk. The program includes course work that prepares students for the professional examinations given by the Society of Actuaries and the Casualty Actuary Society.

**Admission requirements**

Applicants must meet the regular admission requirements of the Graduate School. It is also expected that students will have had three semesters of calculus, a course in linear algebra, at least one semester of probability and one semester of statistics.

**Degree requirements**

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CR HRS</i>
Financial Mathematics, 3-4 hours			
MATH	551	Mathematics of Finance (4)	3-4
Program advisor will approve 3-4 credit hours substitution in financial mathematics for students who have passed Exam FM.			
MATH	552	Life Contingencies 1	4
	553	Life Contingencies 2	4

Probability, 3-4 hours  
MATH 620 Mathematical Theory of Stats 1 (4) 3-4  
Program advisor will approve 600-level 3-4 credit hour substitution in probability/statistics for students who have passed Exam P.

MATH	557	Actuarial Models 1	4
	559	Models in Financial Economics	3
	692	Actuarial Science Exit Survey	0

3-8 hours from  
FIN 500 Corporation Finance (3)  
MATH 528 Regression Time Series Models (3)  
554 Mathematics of Investments (3)  
558 Actuarial Models 2 (3)  
621 Mathematical Theory of Stats 2 (4)  
625 Probability Theory Application (3)  
626 Probability Stochastic Process (3)  
627 General Linear Model Applicat (4)  
628 Comput Methods in Statistics (4)  
655 Topics in Actuarial Science (1-4)  
658 Risk Theory (3)

RMI 570 Risk Management and Insurance (3) 3-8  
More hours from this list will be required if courses are waived due to undergraduate or actuarial exam credit.

Research component, 3-6 hours from  
MATH 659 Research in Actuarial Science (3)  
THES 698 Thesis (1-6) 3-6

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30-34 hrs

**MASTERS IN MATHEMATICS, 30-31 hours**

The masters degree in mathematics provides students with a broad graduate-level mathematical background suitable for community college teaching, for pursuing a PhD degree in the mathematical sciences, or for seeking employment in business, industry, or government. Students pursuing the master of science degree will be required to write a 6-hour thesis.

**Admission requirements**

Applicants must meet the regular admission requirements of the Graduate School and have an undergraduate major in mathematics or an equivalent background as determined by the Department of Mathematical Sciences.

**Master of Arts in Mathematics**

**Degree requirements**

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CR HRS</i>
Algebra, 6 hours			
MATH	511	Abstract Algebra 1	3
	512	Abstract Algebra 2	3
If the undergraduate equivalent is not complete. Otherwise course substitutions in algebra will be made in conjunction with the program advisor.			

Analysis, 6-7 hours from



MATH	571	Real Analysis 1 (4)	
	572	Real Analysis 2 (3)	6-7
If the undergraduate equivalent is not complete. Otherwise 3-credit hour course substitutions in analysis will be made in conjunction with the program advisor.			
MATH	645	Topology 1	3
	675	Measure Thry and Integration 1	3
	677	Complex Variables 1	3
3-6 hours from			
MATH	515	Coding and Communication (3)	
	516	Theory of Numbers (3)	
	541	Geometry and Topology (3)	
	545	Differential Geometry (3)	
	556	Intro Operations Research (3)	
	562	Numerical Analysis 1 (3)	
	563	Numerical Analysis 2 (3)	
	573	Boundary Value Problems (3)	
	575	Topics Partial Dif Equations (3)	
	625	Probability Theory Application (3)	
	626	Probability Stochastic Process (3)	
	646	Topology 2 (3)	
	676	Measure Thry and Integration 2 (3)	
	678	Complex Variables 2 (3)	3-6
Research component, 3-6 hours from			
MATH	689	Research Methods Math Stats (3)	
	694	Research Methods Math Educat (3)	
THES	698	Thesis (1-6)	3-6
			30-31 hrs

## Master of Science in Mathematics

### Degree requirements

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CR HRS</i>
Algebra, 6 hours			
MATH	511	Abstract Algebra 1	3
	512	Abstract Algebra 2	3

If the undergraduate equivalent is not complete.  
Otherwise course substitutions in algebra will be made  
in conjunction with the program advisor.

Analysis, 6-7 hours from

MATH	571	Real Analysis 1 (4)	
	572	Real Analysis 2 (3)	6-7

If the undergraduate equivalent is not complete.  
Otherwise 3-credit hour course substitutions in analysis  
will be made in conjunction with the program advisor.

MATH	645	Topology 1	3
	675	Measure Thry and Integration 1	3
	677	Complex Variables 1	3

3 hours from

MATH	515	Coding and Communication (3)	
	516	Theory of Numbers (3)	
	541	Geometry and Topology (3)	
	545	Differential Geometry (3)	

	556	Intro Operations Research (3)	
	562	Numerical Analysis 1 (3)	
	563	Numerical Analysis 2 (3)	
	573	Boundary Value Problems (3)	
	575	Topics Partial Dif Equations (3)	
	625	Probability Theory Application (3)	
	626	Probability Stochastic Process (3)	
	646	Topology 2 (3)	
	676	Measure Thry and Integration 2 (3)	
	678	Complex Variables 2 (3)	3
THES	698	Thesis (1-6)	6
			30-31 hrs

## MATHEMATICAL SCIENCES (MATH)

### New:

#### 515 Mathematics of Coding and Communication (3)

Exploration of applications of number theory, group theory and linear algebra to areas such as cryptography and error-correcting codes; applications of graph theory to resource allocation and route planning; other possible topics selected by the instructor.

*Prerequisite recommended:* MATH 215, 217.

*Not open to* students who have credit in MATH 415.

**541 Geometry and Topology (3)** Introduction to geometric topology, including piecewise linear structures, Euler's formula, surfaces and solids, knots, graphs, and other topics.

*Prerequisite recommended:* MATH 217, 267.

*Not open to* students who have credit in MATH 441.

**545 Differential Geometry (3)** Fundamentals of differential geometry, as an extensive study of curves and surfaces in 3-space. Includes the use of computer visualization and emphasizes the importance of differential geometry in areas like relativity theory and modern physics.

*Prerequisite recommended:* MATH 217, 267.

*Not open to* students who have credit in MATH 445.

### Revised:

#### 415 Mathematics of Coding and Communication (3)

Exploration of applications of number theory, group theory, and linear algebra to areas such as cryptography and error-correcting codes; applications of graph theory to resource allocation and route planning; other possible topics selected by the instructor.

*Prerequisite:* C- or better in MATH 215 or CS 124, and C- or better in MATH 217 or CS 224; or permission of the department chairperson.

*Parallel:* EDSE 460, 465.

**552 Mathematics of Life Contingencies 1 (4)** Survival distributions, life tables; the mathematics of life insurance, life annuities, net premiums, and net premium reserves.

*Prerequisite:* MATH 321.

*Prerequisite or parallel:* MATH 551.

*Not open to* students who have credit in MATH 452.

**659 Research Seminar in Actuarial Science (3)** Research study in actuarial subjects of current interest in life, property/casualty, health, pension, and/or financial risk management. Literature searches on selected topics. Articles from research journals may be read and discussed. Will use actuarial skills from several courses. A paper will be required. Case studies and special projects will be completed and results presented on a team basis.

*Prerequisite:* MATH 557.

*Prerequisite or parallel:* MATH 553.

## Department of Philosophy and Religious Studies

### PHILOSOPHY (PHIL)

#### Dropped:

**305 Introduction to Logical Theory (3)**

#### New:

**406 Feminist Ethics and Epistemology (3)** Using the concepts, principles, theories, and issues in feminist ethics and epistemology to problematize norms of gender, sexuality, and other axes of privilege.

*Open only to juniors and seniors.*

#### Revised:

**200 Symbolic Logic (3)** Logic is the study of reasoning. Introduction to the theory of deductive reasoning, including propositional logic (the logic of "and", "or", "not", and "if...then") and predicate logic (the logic of "all", "some", and "none"). Students will learn how to clarify an argument by translating it into a symbolic language, and how to evaluate an argument for validity. These skills are applicable to any discipline, and excellent for students looking to improve their reasoning skills in preparation for law school or entrance exams for any professional school.

## Department of Physiology and Health Science

#### Suspended:

**ASSOCIATE IN SCIENCE—RADIATION THERAPY (AS), 64 hours**

### HEALTH SCIENCE (HSC)

#### Dropped:

**385 Community Health Methods (4)**

**394 Health Communication (3)**

**444 Disease Management for Health Promotion (3)**

**465 Alcohol Problems (3)**

**496 Advanced Health Communication Media Production (3)**

**565 Alcohol Problems (3)**

#### New:

**210 Health Behavior Theories (3)** Provides students with an overview of how the social and behavioral sciences contribute to primary prevention in the rapidly expanding field of health behavior. Emphasis will be placed on theory-driven approaches that are supported by empirical investigations. Students will acquire a working knowledge of foundational theories used in public health practice as well as the ability to measure key theoretical constructs.

*Prerequisite:* HSC 180 and 200.

**220 Population, Race, and Culture in Health Promotion (3)** Explores the aspects of race and culture that influence health, public health policy, and the management and practice of healthcare. Among the aspects of U.S. culture that will be discussed are: race, ethnicity, gender, social class, and nationality. These cultural factors immediately impact patient-provider interaction, health and illness behavior, health care provider decision-making and ultimately impact health status. This knowledge will enhance students' ability to serve as educated citizen advocates for improving health of disadvantaged groups.

*Prerequisite:* HSC 180 and 200.

**310 Healthcare Systems (3)** 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.

**487 Applied Research, Writing, and Evaluation in Health Promotion (3)** Provides an introduction to general principles and basic techniques of research methods appropriate to the investigation of problems in community health. Students will evaluate the writing and statistical analyses of existing research articles. Students will also produce a research proposal and provide a scientifically rigorous paper that includes introduction, methodology, and results/evaluation sections.

*Prerequisite:* HSC 387; senior status.

**495 Professional Preparation in Health Promotion (3)** Provides information and resources to help students prepare for internships and careers in community health education, including student strategies to achieve a passing score on the Certified Health Education Specialist (CHES) examination.

*Prerequisite:* HSC 302.

## Revised:

### **200 Introduction to Health Education and Promotion (3)**

Basic philosophy and practice in health education emphasizing work settings and health educator roles. Early exposure to the literature and organizations that support health education. Lab experience working with a practitioner. Students are required to complete 20 shadowing/professional development hours.

*Open only to health education and promotion majors and community health minors.*

### **344 (444) Disease Management in Health Promotion (3)**

Explores current information about infectious and non-infectious diseases from a non-clinical perspective to support the needs of health education programs in a variety of settings.

*Prerequisite:* HSC 160 and 210 and PHYS 205.

### **387 Quantitative Methods and Epidemiology in Health Promotion (3)**

Introduction to the basic concepts, methods, and tools of public health data collection, use and analysis, practical applications of quantitative methods in health science. Weekly one-hour laboratory period emphasizes data management and analysis using advanced technology.

*Prerequisite:* HSC 180 and MATH 108 or 111 or 112 or 125 or 132 or 161 or 162 or 165 or 166; junior status.

### **388 (385) Organization and Administration in Health Promotion (3)**

Helps students understand the organization and administration of community health agencies, including public health agencies and voluntary health agencies at the national, state, and local levels. Effective advocacy strategies, the importance of cultural competence, building and sustaining successful coalitions, and group facilitation techniques are addressed. The preparation of community health grant proposals and competencies of health education professionals are also addressed.

*Prerequisite:* HSC 301.

**482 Environmental Health (3)** 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.

**494 (394) Health Communication (3)** Contemporary health communication issues, including communication strategies, models, and theories, to enhance delivery of health education programs in various settings. Central focus on application of social marketing principles and planning models. Micro-level (interpersonal interactions with other people) and macro-level (organizational and mass media) applications emphasized.

*Prerequisite:* HSC 220 and 301.

## Department of Political Science

## Revised:

### **MASTER OF PUBLIC ADMINISTRATION (MPA), 36-45 hours**

This degree provides graduate professional education to students who wish to prepare for administrative or research careers in public management at the federal, state, or local government level with nonprofit organizations or private sector corporations extensively involved with government. A full-time student can complete the MPA program (including internship) in two academic years. The requirements of the program ensure that each student will have a theoretical understanding and practical awareness of public policy and of the principles of management and administration in the public sector. The program blends the study of politics and administration with the techniques of modern management.

The flexibility of the program allows students to tailor an interdisciplinary curriculum to their needs, objectives, and goals. Program options include four disciplinary concentrations, which allow students to combine the study of public administration and policy with course work in substantive policy areas such as criminal justice, emergency management and homeland security, community and economic development, or information and communication technology.

Alternatively, students may choose the administrative concentration, which allows students to build a customized course of study through elective courses. Each student's background will be evaluated individually, and recommendations on program content will be made according to the student's educational and job experiences and career plans. Selection of such courses must be made in consultation with the major advisor. Students may complete part of their MPA elective courses in such departments as accounting, criminal justice and criminology, economics, journalism, educational leadership, marketing and management, natural resources and environmental management, physiology and health science, and sociology.

To accommodate practitioners and others who have daytime commitments, evening classes are offered as well as weekday classes. Many opportunities exist for student participation in workshops and experiential learning settings where students and public administrators can interact. Students without appropriate professional experience will be required to complete for credit in a full-time internship.

Before graduation, all students must pass a departmental comprehensive exam in public administration, public policy, and in their concentration area, if any.

### **Degree requirements**

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CR HRS</i>
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### **MPA with administrative concentration, 36-45 hours**

Core area of study			
POLS	625	Res Meth in Political Sci	3

15 hours from

POLS 642	Problems in Public Policy (3)		650	Public Administration (3)	
648	Policy Analysis (3)		651	Admin Org and Management (3)	
650	Public Administration (3)		652	Personnel Admin in Gov (3)	
651	Admin Org and Management (3)		653	Public Fin Admin (3)	15
652	Personnel Admin in Gov (3)				
653	Public Fin Admin (3)	15			
Electives in public administration related courses		9-12	Research requirements		
Research requirements			POLS 626	Research Seminar (3-6)	
POLS 626	Research Seminar (3-6)		or		
or			RES 697	Research Paper (1-3)	
RES 697	Research Paper (1-3)		or		
or			THES 698	Thesis (1-6)	3-6
THES 698	Thesis (1-6)	3-6	Concentration required courses		
Minor area of study and/or electives in related complementary area		6-9	PLAN 585	Intro Comm Dev and Enter Plng	3
		<hr/>	586	Methods of Public Interest Dev	3
		36-45 hrs	3 hours from		
<b>MPA with criminal justice and criminology (CJC) concentration, 36-42 hours</b>			BL 560	Survey of Business Law (3)	
Core area of study			or		
POLS 625	Res Meth in Political Sci	3	PLAN 625	Planning Law (3)	3
15 hours from			6 hours from		
POLS 633	The American Judicial System (3)		ACC 501	Financial Accounting (3)	
642	Problems in Public Policy (3)		BL 665	Law, Ethics, Pub Pol and Bus (3)	
648	Policy Analysis (3)		CAP 651	Research Methods (3)	
650	Public Administration (3)		FCCPM 525	Adv Mgt of Government Housing (3)	
651	Admin Org and Management (3)		530	Adv Apt Operations Management (3)	
652	Personnel Admin in Gov (3)		615	Senior Housing Option (3)	
653	Public Fin Admin (3)	15	696	Property Management Seminar (3)	
CJC concentration			HSC 582	Environmental Health (3)	
CJC 650	Criminal Justice Admin	3	PLAN 512	Intro to GIS for Urban Plan (3)	
651	Interpersonal Relations in CJC	3	530	Hous and Comm Development (3)	
652	Philosophical Aspects of CJC	3	598	Spec Proj Urb and Regl Planng (3)	
690	Independent Study in CJC (1-3)	3	612	Community Development Studio (3)	
Electives in related area		3-6	620	Human Impact Analysis (2)	
Research requirements			621	Environmental Impact Analysis (1)	
POLS 626	Research Seminar (3-6)		632	Studio Comm Dev and Ent Planng (3)	
or			UD 501	UD Studio 1: Sust Urban Syst (2)	
RES 697	Research Paper (1-3)		503	UD Studio 3: Comm-Bsd Sust Des (2)	
or			561	UD Communications 1 (3)	
THES 698	Thesis (1-6)	3-6	562	UD Communications 2 (3)	
		<hr/>	569	Topical Computer Graphics Work (1)	
		36-42 hrs	598	Special Projects Urban Design (1)	
<b>MPA with community and economic development concentration, 36-39 hours</b>			637	UD Topics and Colloquia (1)	
Core area of study			640	History of Urban Form (3)	
POLS 625	Res Meth in Political Sci	3	663	Urban Design Visualization (3)	6
15 hours from					<hr/>
POLS 642	Problems in Public Policy (3)		<b>MPA with emergency management and homeland security concentration, 36-39 hours</b>		
648	Policy Analysis (3)		Core area of study		
650	Public Administration (3)		POLS 625	Res Meth in Political Sci	3
651	Admin Org and Management (3)		15 hours from		
652	Personnel Admin in Gov (3)		POLS 642	Problems in Public Policy (3)	
653	Public Fin Admin (3)	15	648	Policy Analysis (3)	
			650	Public Administration (3)	
			651	Admin Org and Management (3)	
			652	Personnel Admin in Gov (3)	
			653	Public Fin Admin (3)	15

Research requirements			
POLS	626	Research Seminar (3-6)	
		or	
RES	697	Research Paper (1-3)	
		or	
THES	698	Thesis (1-6)	3-6
Concentration required hours			
EMHS	552	Science WMDs Technol Hazards	3
	555	International Domestic Terror	3
	589	Emergency Response WMDs	3
6 hours from			
CS	547	Comp Info and Network Sec (3)	
EMHS	550	Haz Mat Health and Safety (3)	
	593	Special Topics (3)	
GEOG	534	Atmospheric Hazards (3)	
	544	Adv Geog Info Systems Analysis (3)	
GEOL	516	Geol of Hazards and Env (3)	
ISOM	601	Intro Comp and Net Sec (3)	
POLS	545	National Defense Policy (3)	
	694	Terrorism and Homeland Sec (3)	6
			36-39 hrs

**MPA with information and communication technology concentration, 38-41 hours**

Core area of study			
POLS	625	Res Meth in Political Sci	3
15 hours from			
POLS	642	Problems in Public Policy (3)	
	648	Policy Analysis (3)	
	650	Public Administration (3)	
	651	Admin Org and Management (3)	
	652	Personnel Admin in Gov (3)	
	653	Public Fin Admin (3)	15

Research requirements			
POLS	626	Research Seminar (3-6)	
		or	
RES	697	Research Paper (1-3)	
		or	
THES	698	Thesis (1-6)	3-6
Elective: 3 hours from public administration or other applicable area			
			3

Concentration required courses			
ICS	620	Info and Comm Technologies	4
	621	Info Movement, Mgmt, Storage	4
6 hours from			
CS	639	Seminar in Computer Science (3)	
ICS	623	Integration (3)	
	624	Knowledge Management (3)	
	645	Evolving Database Systems (3)	
	691	Internetworking, TCP and IP (3)	
ISOM	601	Intro Comp and Net Sec (3)	
MBA	623	Electronic Commerce (3)	
		or	

other courses as approved by the ICT certificate advisor 6  
38-41 hrs

**POLITICAL SCIENCE (POLS)**

**Revised:**

**229 Law Office Management and Technology (3)** Will teach students law office management principles and show how various technologies can help in every area of the legal business. Students will learn to use technologies that help with case management, document production, spreadsheets, e-discovery, timekeeping, billing, and communicating with and preparing clients for trial. In building a law practice from the ground up, students will learn about market analysis, budgeting, advertising, and managing personnel, among other topics.

*Prerequisite:* POLS 242.

*Open only to* legal studies majors.

**531 Congress (3)** Legislative bodies and law-making: organization of legislative bodies, operation of the committee system, relations with interest groups, executive branches, bill drafting, legislative aids, controls over legislation, and movement for reform.

*Prerequisite:* POLS 130 or equivalent.

*Not open to* students who have credit in POLS 431.

**Department of Speech Pathology and Audiology**

**SPEECH PATHOLOGY AND AUDIOLOGY (SPAA)**

**Revised:**

**101 Clinical Phonetics (3)** Study of International Phonetic Alphabet as applied to communication disorders. Production of speech sounds in English along with transcription of normal speech. Relationship of transcription and analysis to communication disorders.

**161 Anatomy and Physiology of Speech and Hearing (3)** Study of the anatomy and physiology of the speech and hearing mechanisms. Includes respiration, phonation, articulation, resonance, hearing, and swallowing.

**210 Anatomy and Physiology of Speech and Hearing (3)** Overview of articulation and phonological system development and the nature of speech sound disorders. Includes phonetic transcription and analysis of normal and disordered speech samples and standardized testing results. Introduction to principles of treatment planning for remediation of speech sound disorders.

*Prerequisite:* SPAA 101.

**260 Speech Acoustics (3)** Introduction to the physical nature

of speech and its relationship to speech production and perception.

*Prerequisite:* SPAA 101.

**343 Introduction to Audiology (3)** Overview of the anatomy and physiology of hearing, hearing disorders, hearing assessment, and hearing screening.

*Prerequisite:* SPAA 161 and permission.

**418 Neurogenic and Organic Speech and Language Disorders (3)** An overview of speech and language disorders resulting from neurogenic and organic etiologies. Topics covered include: stroke, brain injury, dementia, neurodegenerative diseases, cleft palate, functional voice disorders and dysphagia.

*Prerequisite:* SPAA 161 and 361.

## TEACHERS COLLEGE

### Department of Educational Psychology

#### EDUCATIONAL PSYCHOLOGY (EDPS)

##### Revised:

**641 Introduction to Statistical Methods (3)** A basic statistical course for graduate students in education. Problems taken from the fields of education and psychology and include the computation, interpretation, and application of such statistical techniques as measures of central tendency, measures of variability, correlation techniques, validity and reliability, standard scoring techniques, probability, tests of significance, chi square, and analysis of variance.

**642 Analysis of Variance (3)** An extension of elementary descriptive and inferential statistics through basic statistical research designs, including analysis of variance and covariance.

*Prerequisite:* EDPS 641 or PSYS 241, or a proficiency test administered within the department.

**741 Applied Regression Analysis (3)** A presentation of the rationale of linear regression, its application to the analysis of educational and psychological data, and its relationship to other statistical techniques such as the analysis of variance, discriminant analysis, and factor analysis.

*Prerequisite:* EDPS 641, 642; or permission of the department chairperson.

**743 Factor Analysis (3)** The mathematical rationale on which the various factor analytic models are based, the relationship of such models to each other and to such other forms of multivariate analysis as discriminant analysis, the multivariate analysis of variance, and multiple regression.

*Prerequisite:* EDPS 641.

*Prerequisite recommended:* EDPS 741.

## Department of Elementary Education

### EDUCATION: READING (EDRD)

##### Revised:

**770 Study of Reading Research (4)** Emphasizes types of research that have contributed to greater understanding of the reading process.

*Prerequisite:* EDRD 610, 640.

**799 Internship in Reading (2-6)** A field assignment with opportunities to direct, coordinate, and supervise a reading program in a selected educational setting, with joint supervision by the university and an experienced director or coordinator of reading.

*Prerequisite:* open to doctoral-level students and other graduate students by permission of the department chairperson.

A total of 6 hours of credit may be earned.

Laura Helms, Director  
Office of Academic Systems