knowledge management, technological entrepreneurship.

7510 Database Management (3) Prereq.: BADM 7050. Analysis and implementation of database systems based on the relational database model; data modeling using entity-relationship (E-R) diagramming; logical and physical database design; computer hardware/ software and database system considerations; data and database administration; emerging database technologies and advanced database applications.

7515 Information Management (3) Prereq.: ISDS 7510 or equivalent. Decision support systems; online analytical processing, multidimensional data modeling, warehousing, data marts, data mining, knowledge management, Internet business intelligence.

7520 Network Information Systems (3) Prereq.: BADM 7050. Study of network technologies; network operating systems, network management; LAN, WAN design; Internet technology; network management.

7522 Internet Systems Development (3) Prereq.: ISDS 7520. In-depth look at Internet applications architecture, server-side programming, web/database connectivity, integration of Web and other business applications, and Web development methods; emphasis on self-management, cross-project coordination, technology and time management, construction Internet based systems and manage Internet based systems development.

7530 Information Systems Analysis and Design (3) Prereq.: BADM 7510. Both courses may be taken concurrently. Analysis and design of information systems from a management perspective; software development methodologies; topology requirements; feasibility determination; project management; evaluation of a software development strategy and application design; modeling using ER diagrams, and DFDs; systems implementation.

7535 Information Technology Management (3) Prereq.: BADM 7050. Information technology (IT) resources, planning and management of IT strategy, applications; hardware/software infrastructure, information resources, IT professionals; organization and governance of the IT function, IT policies and standards, measurement of IT investments and returns, and deployment of new information technologies.

7540 Electronic Commerce (3) Prereq.: BADM 7050. Use of information technology and the Internet in creating new forms of commerce; creating a marketplace; disintermediation/reintermediation; and virtual organization.

7543 Electronic Commerce II (1.5) Prereq.: ISDS 7540. Continuation of ISDS 7540. Advanced management issues, organizing principles and technologies; working in electronic communities; newsgroups, virtual communities, extranet and intranet.

7545 Collaborative Computing (1.5) Prereq.: BADM 7050. Foundation of collaborative computing; issues of motivation, synchronicity, anonymity, group size, group proximity, and group tasks.

7550 Enterprise Systems (3) Prereq.: BADM 7050. Study of the broad area of Integrated Enterprise-wide Systems; emphasis on features and capabilities of enterprise systems and the related technologies, the methodologies used to implement these systems in organizations, and the implications of their deployment in organizations.

7551 Enterprise Systems Change (3) Prereq.: ISDS 7530. Foundation of critical issues in the design and implementation of business and information systems change including business process reengineering, project and change management, and information systems design and management; emphasis on the systems perspective of business, and the change that these enabling emerging and disruptive technologies and systems permit that have the greatest impact on business and industries.

7555 Auditing Enterprise System (1.5) Prereq.: ISDS 7530 and ACCT 7233. Principles of auditing enterprise wide information systems in business; audit plans; controls and security issues.

7560 Social and Organizational Issues in MIS (3) Prereq.: BADM 7050. Impact of electronic communications on organizations; implications of design choices on business; ethical considerations.

7565 Global Information Technology Management (3) Prereq.: BADM 7050. National IT policies; IT and national culture; contemporary issues in multinational enterprises; IT diffusion in developed versus developing countries; IT and national development; global electronic commerce; global telecommunication challenges; and comparative advantage through global IT management.

7900 Contemporary Issues in Statistics and Management Science (3) Prereq.: BADM 7050 or equivalent. PhD study and consent of instructor. Philosophical foundations of science and their implications for contemporary management science.

7910 Contemporary Issues in Production/Operations Management (3) Prereq.: advanced PhD standing or consent of instructor. May be taken for a max. of 9 hrs. of credit when topics vary. Philosophical foundations and contemporary issues in production/operations management.

7920 Contemporary Issues in Management Information Systems (3) Prereq.: advanced PhD standing or consent of instructor. May be taken for a max. of 6 hrs. of credit when topics vary. Philosophical foundations and contemporary issues in management information systems.

7950 Research Seminar in Information Systems Topics (3) Required for all PhD students. May be taken for a max. of 6 sem. hrs. of credit when topics vary. Contemporary research and critical issues in information systems.

7990 Project (3-6) Prereq.: permission of instructor. May be taken for a max. of 6 hrs. of credit. Pass-fail grading.

8000 Advanced Research (1-12 per sem.) $773.75 per 4 hrs. grading.

8900 Pre-dissertation Research (1-9) May be repeated for credit.

9000 Dissertation Research (1-12 per sem.) $773.75 per 4 hrs. grading.

INTERIOR DESIGN • ID

General education courses are marked with stars (★).

★ 1051 Introduction to Interior Design (3) Contemporary practice of interior design as a profession; responsibilities of the interior designer.

★ 1711 Basic Foundation (3) V Prereq.: controlled admission to program in interior design at first year entrance level or permission of department. 5 hrs. studio. Credit will not be given for a course in which more than 1 credit was earned.

★ 7540 Information Systems Analysis and Design (3) Prereq.: BADM 7050. Information technology (IT) resources, planning and management of IT strategy, applications; hardware/software infrastructure, information resources, IT professionals; organization and governance of the IT function, IT policies and standards, measurement of IT investments and returns, and deployment of new information technologies.

★ 7543 Electronic Commerce II (1.5) Prereq.: ISDS 7540. Continuation of ISDS 7540. Advanced management issues, organizing principles and technologies; working in electronic communities; newsgroups, virtual communities, extranet and intranet.

★ 7545 Collaborative Computing (1.5) Prereq.: BADM 7050. Foundation of collaborative computing; issues of motivation, synchronicity, anonymity, group size, group proximity, and group tasks.

★ 7550 Enterprise Systems (3) Prereq.: BADM 7050. Study of the broad area of Integrated Enterprise-wide Systems; emphasis on features and capabilities of enterprise systems and the related technologies, the methodologies used to implement these systems in organizations, and the implications of their deployment in organizations.

★ 7551 Enterprise Systems Change (3) Prereq.: ISDS 7530. Foundation of critical issues in the design and implementation of business and information systems change including business process reengineering, project and change management, and information systems design and management; emphasis on the systems perspective of business, and the change that these enabling emerging and disruptive technologies and systems permit that have the greatest impact on business and industries.

★ 7555 Auditing Enterprise System (1.5) Prereq.: ISDS 7530 and ACCT 7233. Principles of auditing enterprise wide information systems in business; audit plans; controls and security issues.

★ 7560 Social and Organizational Issues in MIS (3) Prereq.: BADM 7050. Impact of electronic communications on organizations; implications of design choices on business; ethical considerations.

★ 7565 Global Information Technology Management (3) Prereq.: BADM 7050. National IT policies; IT and national culture; contemporary issues in multinational enterprises; IT diffusion in developed versus developing countries; IT and national development; global electronic commerce; global telecommunication challenges; and comparative advantage through global IT management.

★ 7900 Contemporary Issues in Statistics and Management Science (3) Prereq.: BADM 7050 or equivalent. PhD study and consent of instructor. Philosophical foundations of science and their implications for contemporary management science.

★ 7910 Contemporary Issues in Production/Operations Management (3) Prereq.: advanced PhD standing or consent of instructor. May be taken for a max. of 9 hrs. of credit. Advanced studio work in predetermined areas of specialization.

★ 7920 Contemporary Issues in Management Information Systems (3) Prereq.: advanced PhD standing or consent of instructor. Pass-fail grading. At least 20 hours of work per week (15 hours during summer session) and three 3-credit hours supervised by an interior design faculty member and a professional designer in an approved firm.

★ 7950 Research Seminar in Information Systems Topics (3) Required for all PhD students. May be taken for a max. of 6 sem. hrs. of credit. Advanced studio work in predetermined areas of specialization.

★ 7990 Project (3-6) Prereq.: permission of instructor. May be taken for a max. of 6 hrs. of credit. Pass-fail grading.

★ 8000 Advanced Research (1-12 per sem.) $773.75 per 4 hrs. grading.

★ 9000 Dissertation Research (1-12 per sem.) $773.75 per 4 hrs. grading.

INTERIOR DESIGN • ID

General education courses are marked with stars (★).

★ 2000 Contemporary Global Issues (3) Survey of current world issues from an interdisciplinary perspective.

★ 3099 Undergraduate Internship in International Studies (3) F,S,Su Prereq.: Open to undergraduate students approved by the International Studies Program. May be counted toward the total number of hours required for a major in International Studies but not toward fulfilling field requirements. May be taken for a max. of 6 hrs. of credit when topics vary. Program of study, research, and work in governmental or private agencies concerned with international policy.

★ 3786 Religion of Islam (3) See REL 3786.

★ 3991 Study Abroad in Africa (1-6) May be repeated for up to 12 hours credit when topics vary. Studies in the history, culture, economics, politics, or geography of Africa.

★ 3992 Study Abroad in the Middle East (1-6) May be repeated for up to 12 hours credit when topics vary. Studies in the history, culture, economics, politics, or geography of the Middle East.

★ 3993 Study Abroad in Asia (1-6) May be repeated for up to 12 hours credit when topics vary. Studies in the history, culture, economics, politics, or geography of Asia.

★ 3994 Study Abroad in Europe (1-6) May be repeated for up to 12 hours credit when topics vary. Studies in the
401翻译（3）Prereq.: ITAL 3060 or equivalent. Study of translation methodology between Italian and English, emphasis on the literary, morphological, and syntactical contexts of the two languages.

4051 Dante (3) Dante, with emphasis on the Inferno. 4052 The Renaissance (3) Literary; Basic lexicon and structure of the Italian Renaissance; writings of Petrarch, Boccaccio, Lorenzo de Medici, Poliziano, Sammazano, and Ariosto.

4053 Modern Italian Literature (3) Prereg.: 3050 level Italian course or equivalent. Selected works of modern Italian writers and literary critics of the 19th and 20th centuries.

4100 Special Topics in Italian Studies (3) Prereg.: 3000-level Italian course or equivalent. May be taken for a max. of 6 hrs. credit when topics vary. Study of various aspects of Italian culture and literature from different periods.

4915 Independent Work (1-3) F,S,Su Prereg.: May be taken for a max. of 3 sem. hrs. credit. Permission of department required. Readings in Italian literature directed by a senior faculty member.

7971, 7972 Seminar (3,3) Old Italian language and pre-Renaissance literature; Italian literature of the 18th and 19th centuries.

JAPANESE • JAP

Native speakers of Japanese will not receive credit for courses marked with an asterisk (*).

General education courses are marked with stars (★).


KINESIOLOGY • KIN

Courses offered are of two types: (1) basic activity courses such as tennis, golf, etc. open to all students of the University; and (2) professional courses in kinesiology. All basic activity courses are offered on a pass/fail grade basis.

Basic Activity Courses

Students in these classes must furnish and wear clothing suitable to the activity.

1123 to 1160 Beginning Courses (1-3 sem. hrs. each) Pass/fail grading.

1123 Archery

1124 Badminton

1125 Golf

1126 Gymnastics

1128 Rhythmic

1129 Badminton

1130 Bowling

1132 Ballroom Dance

1133 Children's Rhythms For elementary grades, physical education, or special education majors.

1134 International Folk Dance

1135 Golf for Business and Life

1136 Swimming

1140 Scuba Diving Prereg.: KIN 1363 or consent of instructor.

1142 Conditioning Exercises

1144 Aerobic Dance

1146 Weight Training

1147 Chinese Kung Fu

1148 Chinese Self-Defense

1150 Recreational Dance

1151 Racquetball

1152 Tai Chi I

1153 Tai Chi II

1154 Martial Arts

1155 Jogging

1156 Outdoor Living Skills American Red Cross Standard First Aid Certificate recommended.

1157 Aerobics Swimming Prereg.: KIN 1256 or intermediate swimming skills.

1158 Canoeing Prereg.: must be able to swim 50 yards with a personal flotation device; tread water for one minute and swim 50 yards without a personal flotation device.

1160 Adapted Physical Education For students who cannot participate in vigorous physical exercise due to physical disability or other handicapping condition.

1224 to 1227 Intermediate Courses (1 sem. hr. each) Pass/fail grading.

1224 Tennis

1226 Swimming

1244 Aerobic Dance

1246 Weightlifting

1251 Racquetball

1252 Tai Chi II

1254 Martial Arts

1255 Jogging

1257 Aerobic Swimming

1336 to 1338 Advanced Courses (1 sem. hr. each) Pass/fail grading.

1336 Swimming

1337 Advanced Lifesaving Prereg.: KIN 1236 and 1336 or Advanced Swimming Certificate.

1338 Water Safety Instructor's Course Prereg.: valid Advanced Lifesaving Certificate.

PROFESSIONAL COURSES

In the Department of Kinesiology, the second digit of the course number denotes the area of interest for professional courses, as follows: 4—kinesiology activity for majors; 5—kinesiology theory; 6—health.

1405 Track and Field (1) 3 hrs. lab. For kinesiology majors or minors.

1406 Basketball (1) 1 hr. lab. For kinesiology majors or minors.

1407 Softball (1) 3 hrs. lab. For kinesiology majors or minors.

1408 Volleyball (1) 3 hrs. lab. For kinesiology majors or minors.

1409 Flag Football (1) 3 hrs. lab. For kinesiology majors or minors.

1410 Field Sports (1) 3 hrs. lab. For kinesiology majors or minors.

1411 Tennis (1) 3 hrs. lab. For kinesiology majors or minors.

1412 Badminton (1) 3 hrs. lab. For kinesiology majors or minors.

1427 Physical Activity I: Volleyball and Basketball (1) For kinesiology majors or minors, 3 hrs. lab. Identification, analysis, and practice of skills and techniques fundamental to volleyball and basketball; rules, strategies, safety.

1600 Personal and Community Health Problems (3) Content and theory related to basic health information; critical health issues; improving and maintaining optimal health and wellness.

1801 Movement Fundamentals for Physical Activity (2) 1 hr. lecture; 2 hrs. lab. For kinesiology majors. Movement concepts associated with space and time and how these concepts can be organized into a learning environment.

1802 Individual/Lifetime Activities (2) 1 hr. lecture; 2 hrs. lab. For kinesiology majors. Identification, analysis and practice of skills, techniques and fundamental concepts associated with lifetime activities.

1803 Team Activities (2) 1 hr. lecture; 2 hrs. lab. For kinesiology majors. Identification, analysis and practice of skills, techniques and fundamental concepts associated with team activities.

1804 Aerobic and Strength Activities (2) 1 hr. lecture; 2 hrs. lab. For kinesiology majors. Major concepts of aerobic and strength training including safety, technique, age appropriate activities, and training principles.

1999 Special Topics (1) May be taken for a max. of 4 sem. hrs. credit when topics vary. 3 hrs. lab. Identification, analysis, and practice of skills and techniques fundamental to sports; rules, strategies, and appropriate safety procedures.

2500 Human Anatomy (3) Micro and macroscopic study of the human body.

2501 History and Philosophy of Kinesiology (3) Development in kinesiology and health from ancient times to the present.

2502 Practicum in Sports Studies (3) Prereg.: For students majoring in sports studies. Pass/fail grading. Credit will not be given for both this course and KIN 2999. Observation and practical application in a sport or sport-related setting. Students work in a professional capacity under the guidance of an on-site coordinator.

2503 Basic Athletic Training (2) 1 hr. lecture; 2 hrs. lab. Athletic training room procedure; first aid treatment of injuries; use of athletic training room equipment; protective