



OAKTON COMMUNITY COLLEGE

ACADEMIC BRIEFING

SPRING 2006

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The Office of Research, Curriculum and Planning is in its seventeenth year with our Academic Briefing. This is a publication to inform other colleges and universities about pertinent course/curriculum revisions which may affect articulation. Most changes will be reflected in the catalog for the forthcoming (2006-2007) academic year.

SECTION I Corrections/Updates to the 2006-2007 Catalog

SECTION II Course & Curriculum Changes Included in the 2006-2007 Catalog

SECTION III Course & Curriculum Changes Not Included in the 2006-2007 Catalog



SECTION I

CORRECTIONS/UPDATES: 2006-2007 CATALOG

- pages 80, 83 Correct the curriculum number for the A.A.T. in Special Education to 0560.
- page 195 Eliminate duplicate sentences regarding Physical Therapist Assistant program.
- page 210 AHR 106 – Prerequisite should be: AHR 101 or consent of instructor.
- page 249 CSC 241 – Fee should be \$10.
- page 250 EAS 205 – Prerequisite should be: EAS 100 or EAS 101 or consent of instructor.
- page 252 ECE 184 – Add: (formerly HFM 184).
- page 278 HIT 113 and HIT 114 – Prerequisite for each course should be: HIT 104 with minimum grade of C or concurrent enrollment.
- pages 278 – 280 HIT 120, 125, 151, 170, 221, and 222 – Remove “or consent of instructor” or “or consent of instructor or department chair.”
- page 297 The fee for MGT 236, Project Management is \$10, which is shown in the 2006-07 catalog, but was inadvertently omitted from 2005-06 catalog.

SECTION II

COURSE & CURRICULUM CHANGES INCLUDED IN 2006-2007 CATALOG

- ALL COURSE DESCRIPTIONS WERE UPDATED.

ACCOUNTING

Curriculum revisions:

Revise the Accounting Associate A.A.S. (#0005); total semester credit hours remain the same.

Revise the Accounting Associate Certificate (#0003); total semester credit hours remain the same.

Revise the Bookkeeping Certificate (#0004); total semester credit hours remain the same.

Revise the Income Tax Preparation Certificate (#0007); total semester credit hours remain the same.

Course additions:

ACC 173 1:1:0
Accounting with QuickBooks I
Course introduces QuickBooks software. Content includes setting up companies, entering payables, writing checks, entering sales, processing discounts, tracking sales tax, collecting receivables, preparing journal entries, generating internal reports, and creating financial statements. Recommended: ACC 153 or basic accounting knowledge. Fee \$10

ACC 174 1:1:0
Accounting with QuickBooks II
Course provides intermediate applications of QuickBooks software. Content includes inventory, budgets, account reconciliation, time tracking, customizing reports, and importing/exporting files. Assumes previous experience with payables, receivables and financial statements. Recommended: ACC 171 or previous experience with QuickBooks. Fee \$10

ACC 175 1:1:0
Accounting with Peachtree I
Course introduces Peachtree software. Content includes setting up companies, entering payables, writing checks, entering sales, collecting receivables, tracking inventory, processing payroll, generating reports, entering journal entries, and creating financial statements. Recommended: ACC 153 or basic accounting knowledge. Fee \$10

ACC 176 1:1:0
Accounting with Peachtree II
Course provides intermediate applications of Peachtree software. Content includes inventory management, time tracking, budgeting, job costing, bank reconciliations, budgeting, report customization, and importing/exporting files. Recommended: ACC 175 or previous experience with Peachtree. Fee \$10

Course revision:

ACC 164

Computer Spreadsheet Applications for Accounting

Change title to: Microsoft Excel for Accountants

Course description updated

Change recommendation to: ACC 153 or basic accounting knowledge.

Course withdrawals:

ACC 141 Principles of Accounting I

ACC 142 Principles of Accounting II

ACC 151 Principles of Financial Accounting—Part I

ACC 152 Principles of Financial Accounting—Part II

ACC 262 Advanced Accounting I

ACC 267 Advanced Accounting II

AIR CONDITIONING, HEATING AND REFRIGERATION TECHNOLOGY

Course additions:

AHR 106

1:1:0

R-410a Usage Certification

Course designed to prepare students to take R-410a safe use certification test. Content includes chemicals: HCFC-22, commonly known as R-22, used generally in air conditioning equipment; and R410a refrigerant, which replaces HCFC-22. Focus is on safe use of R-410a. Prepares for Certification in safe use of R-410a and associated oil. Prerequisite: AHR 101 or consent of instructor.

AHR 107

2:2:0

Carbon Monoxide and Associated Dangers

Course covers how to evaluate buildings that may have a high level of carbon monoxide due to being tightly sealed to reduce air infiltration. HVACR technicians and first responders will gain knowledge to analyze building structures and eliminate hazards associated with carbon monoxide poisoning. Course is designed to prepare students to take the ESCO Institute Carbon Monoxide Certification test and gain certification.

Course revision:

AHR 207

Certification Review and Preparation

Change title to: NATE and HVAC Excellence Certification

Course description updated

ART

Course additions:

ART 230

3:0:6

Architectural Photography

Course covers esthetic and historical developments architectural photography. Content includes impact on artistic, cultural, social, economic, legal, and political issues; historical survey of architectural photographers, including modern practitioners of the medium. Students will produce a portfolio of work

employing techniques and ideas learned in class. Course maybe repeated up to three times on different topics for maximum of twelve credits. Prerequisite: Consent of instructor.

ART 237

3:0:6

Documentary Photography

Course covers esthetic and historical developments documentary photography. Content includes impact on artistic, cultural, social, economic, legal, and political issues; historical survey of documentary photographers, including modern practitioners of the medium. Students will produce a portfolio of work employing techniques and ideas learned in class. Course maybe repeated up to three times on different topics for maximum of twelve credits. Prerequisite: Consent of instructor.

ART 240

3:1:10

Museum Studies: Field Experience

Course offers on-site experience in museum field. Students serve internship (paid) or practicum (unpaid) for 10 hours weekly at a Chicago area museum (art, history, natural history, science, botanic garden). Job appropriate to student's skills. Regular meetings with instructor to provide detailed reports of work experience required. Prerequisite: ART 120.

BIOLOGY

Course additions:

BIO 104

3:3:0

Human Genetics

Course introduces basic genetic principles and applications in human populations. Content includes cell cycle; structure, function, mutation and transmission of the genetic material; role of genetics in health care and biotechnology; and ethical, psychological and social implications of gene-based medicine. Credit cannot be received in both BIO 104 and BIO 105. IAI L1 906

BIO 105

4:3:3

Human Genetics

Laboratory course introduces basic genetic principles and applications in human populations. Content includes cell cycle; structure, function, mutation and transmission of the genetic material; role of genetics in health care and biotechnology; and ethical, psychological and social implications of gene-based medicine. Course identical to BIO 104 except that BIO 105 includes weekly hands-on laboratory activities. Credit cannot be received for both BIO 104 and BIO 105.

Fee \$40

Course revision:

BIO 111

Principles of Pharmacology

Change credit:lecture:lab ratio to 2:2:0

Change prerequisite to: BIO 131

COMPUTER APPLICATION SOFTWARE / COMPUTER OFFICE TECHNOLOGY

Curriculum revisions:

Change the requirements within the following CAS/COT degrees and certificates to reflect the new "Computer Applications for Business" (CAB) prefix – see table on next page.

Existing Curriculum Number	Existing Curriculum Name	New Curriculum Name (if any change)	Existing Number of credit hours	New Number of credit hours (if any change)
0133	Microsoft Office Specialist Core (MOS) Certificate		11	
0233	Executive Support Specialist Certificate		31	
0301	Computer Office Technology	Computer Applications for Business	60	
0304	Microsoft Office Specialist Excel Expert Certificate		15	
0305	Microsoft Office Specialist Word Expert Certificate		17	
0307	Administrative Assistant Certificate		26	
0308	Office Information Processing Specialist Certificate		14	
0310	Desktop Publishing Certificate	Desktop Publishing Specialist	17	18
0311	Desktop Design Certificate	Desktop Publishing Professional	34	38

Course revisions and 3 withdrawals:

Change prefixes, numbers and, in some cases, course titles and prerequisites to reflect the new “Computer Applications for Business” (CAB) prefix. See below for a table summarizing the changes.

Old Course Prefix & #	New Prefix & #	Old Name (or current name, if unchanged)	New Name, if applicable	Prerequisite change
CAS 102	CAB 110	Windows Fundamentals (Formerly CIS 110)		
CAS 111	CAB 120	Introduction to Microsoft Word for Windows		Hands-on experience on a microcomputer and the ability to keyboard 20 wpm or consent of instructor.
CAS 112	CAB 122	Intermediate Microsoft Word for Windows		CAB 120 recommended with a minimum grade of C or consent of instructor upon passing a skill level assessment.
CAS 113	CAB 123	Advanced Microsoft Word for Windows		CAB 122 recommended with a minimum grade of C or consent of instructor upon passing a skill level assessment.
CAS 115	CAB 125	Comprehensive Word Processing		Hands-on computer experience using software that runs in a Windows operating system environment. The ability to keyboard 20 wpm or consent of the instructor.
CAS 121	CAB 130	PowerPoint Presentation Graphics	PowerPoint Presentation Software	
CAS 131	CAB 135	Electronic Spreadsheets Using Excel for PCs		
CAS 141	CAB 140	Database Applications for PCs		
CAS 155	CAB 165	Desktop Publishing	Desktop Publishing using InDesign	Ability to keyboard 20 wpm. The knowledge of, and ability to fully use, word processing software.
CAS 157	Withdrawn	CorelDraw! Graphics Software		
CAS 160	CAB 160	Desktop Publishing Concepts and Procedures		
CAS 165	CAB 173	QuarkXPress	Desktop Publishing using QuarkXPress	

CAS 211	CAB 225	Word Processing Publishing and Web Design		CAB 125 recommended or consent of instructor.
CAS 212	CAB 227	Using Word to Create a Web Page		
CAS 217	CAB 172	Adobe Photoshop		
CAS 218	CAB 272	Adobe Photoshop II	Advanced Adobe Photoshop	CAB 172 recommended or consent of instructor.
CAS 219	CAB 283	Introduction to Animation Techniques in Desktop Publishing	Animation Techniques in Desktop Publishing	CAB 175 recommended or consent of instructor.
CAS 225	CAB 175	Adobe Illustrator		
CAS 226	CAB 275	Advanced Adobe Illustrator		CAB 175 recommended or consent of instructor.
CAS 231	CAB 235	Advanced Spreadsheets Using Excel		CAB 135 recommended or consent of instructor or chairperson.
CAS 251	Withdrawn	Internship Experience		
CAS 255	CAB 281	Computer Graphic Design	Software for Graphic Design	Hands-on computer experience using software that runs in the Windows environment, or CAB 175 recommended with a minimum grade of C.
CAS 256	CAB 265	Advanced Desktop Publishing		Recommended CAB 165 or CAB 173 with a minimum grade of C.
CAS 290	Withdrawn	Topics in Computer Application Software		
COT 101	CAB 101	Keyboarding and Document Formatting		
COT 103	CAB 102	Computer Keyboarding		
COT 104	CAB 104	Advanced Document Formatting		Keyboarding of 30 wpm and CAB 125 recommended.
COT 106	CAB 106	Keyboarding Speed & Accuracy Development		
COT 107	CAB 103	Computer Keyboarding for the Non-Native Speaker		
COT 118	CAB 182	Introduction to Business Telecommunications		
COT 120	CAB 180	Automated Office Procedures		CAB 120 with a minimum grade of C recommended or consent of an instructor.
COT 140	CAB 184	Communication Strategies		
COT 145	CAB 186	Computer Office Technology Management		Successful completion of a minimum of 9 credits in CAB courses with a grade of C or better.
COT 175	CAB 188	Executive Support Management		
COT 251	CAB 251	Internship Experience		Completion of a minimum of 15 credits in CAB courses with a grade of C or better in each course and consent of instructor or chairperson.
COT 290	CAB 290	Topics in Computer Office Technology	Topics in Computer Applications for Business	

COMPUTER APPLICATIONS FOR BUSINESS (formerly COMPUTER APPLICATION SOFTWARE)

Course revisions:

CAB 135 (formerly CAS 131)

Electronic Spreadsheets for PCs

Change title to: Electronic Spreadsheets Using Excel for PCs

Course description updated

Change prerequisite to: Computer experience using software that runs in Microsoft Windows and MAT 047 or higher recommended.

CAB 235 (formerly CAS 231)

Advanced Spreadsheets for PCs

Change title to: Advanced Spreadsheets Using Excel

Course description updated

Change prerequisite to: CAB 135 or consent of instructor.

COMPUTER NETWORKING AND SYSTEMS

Curriculum revision:

Revise the Network Administration Certificate (#0128) to eliminate the options; change title to: Windows Administration Certificate; change requirements; total semester credit hours decrease to 19.

Course addition:

CNS 176

3:3:1

Security+ Certification

Course provides knowledge necessary to understand core concepts of the threats to a computing infrastructure. Content includes securing a network infrastructure; understanding encryption technologies; securing communications and applications; and responding to incidents. Students create and maintain a secure network infrastructure. Course prepares students to become certified in Security+ Certification examination administered by the Computing Technology Industry Association (CompTIA). Recommended: CNS 105 or consent of instructor, coordinator or department chair.

Fee \$40

Course revisions:

CNS 140

Cisco Fundamentals of Voice and Data Cabling

Change title to: Cisco Network Infrastructure Essentials

CNS 141

Cisco Introduction to Internetworking

Change title to: Cisco Networking Basics Competencies

CNS 142

Cisco Principles of Internet Routing

Change title to: Cisco Routers and Routing Basics Competencies

CNS 143

Cisco Advanced Routing and Switching

Change title to: Cisco Switching Basics and Intermediate Routing Competencies

CNS 144
Cisco Network Interfacing Techniques
Change title to: Cisco WAN Technologies Competencies

COMPUTER TECHNOLOGIES AND INFORMATION SYSTEMS

Curriculum revisions:

Revise the requirements for the Computers and Information Systems A.A.S. (#0121); total semester credit hours increase to 64.

Revise the requirements for the Computer Programmer Certificate (#0124); total semester credit hours remain the same.

Revise the requirements for the PC Support Specialist Certificate (#0127); total semester credit hours increase to 34.

Change the requirements for the Network Security Administrator Certificate (#0152); total semester credit hours remain the same.

Course revision:

CIS 103
Introduction to PCs
Change title to: Computer Software and Concepts
Change credit:lecture:lab ratio to 4:3:3
Course description updated

EARLY CHILDHOOD EDUCATION

Curriculum addition:

Add a 64-semester-credit-hour Associate of Arts in Teaching: Early Childhood Education (#0543).*

Course addition:

ECE 107 3:3:1
Observation and Assessment of the Young Child
Course explores developmentally appropriate, culturally responsive observation and assessment strategies for studying the physical, cognitive, social, and emotional development of children birth through eight years. Students will develop skills in using systematic observation and documentation strategies to develop trusting relationships with children and to plan appropriate programs, environments, and activities in early childhood settings. Field observations required.

Course revisions:

ECE 104
Introduction to Early Childhood Education
Course description updated

* *Pending Illinois Board of Higher Education approval.*

ECE 106
Observation and Guidance of the Young Child
Change title to: Guidance of the Young Child
Change credit:lecture:lab ratio to 3:3:0
Course description updated

ECE 184 (formerly HFM 184)
Foodservice Sanitation
Change title to: Food Service Sanitation for Early Childhood Programs

EDUCATION

Curriculum additions:

Add a 61- to 62-semester-credit-hour Associate of Arts in Teaching: Special Education (#0560).*

Add a 31-semester-credit-hour Paraprofessional Educator Certificate (#0083).

Course addition:

EDN 180 3:3:0
Diversity of Schools and Society
Course explores how schooling is shaped by the social contexts in which it occurs, particularly in multicultural and global contexts. Students investigate aspects of their own cultural identity and biases alongside comparative explorations of various culturally distinct groups in the United States and globally.

Course revisions:

EDN 101
Introduction to Education
Course description updated

EDN 104
Pre-Clinical Observation in Education
Course description updated

EDN 260
Methods of Teaching Reading
Change title to: Introduction to the Foundations of Reading
Course description updated
Change prerequisite to: EDN 101 and PSY 211 or PSY 201.

EDN 280
Students with Disabilities in Schools
Change prerequisite to: EDN 101 and PSY 201.

** Pending Illinois Board of Higher Education approval.*

ELECTRONICS AND COMPUTER TECHNOLOGY

Curriculum correction:

For the Electronics Computer Technician Certificate (#0167), correct the catalog course listing. MAT 120 is corrected from 3 to 4 credits; ELT/CNS electives are reduced from 3 to 2; total certificate credit hours remain at 36.

Course revision:

ELT 105
Fundamentals of Voice and Data Cabling
Change title to: Cisco Fundamentals of Voice and Data Cabling

FACILITIES MANAGEMENT AND ENGINEERING

Curriculum additions:

Add a 60-credit-hour Facilities Management A.A.S. (#0362).

Add a 60-credit-hour Facilities Engineering A.A.S. (#0363).

GRAPHIC DESIGN

Course addition:

GRD 101 3:2:2
Introduction to Visual Communication
Course covers the fundamental principles of design and how these relate to effective communication. It explores the media and tools that create imaging and how these tools are integrated into the image-making process. Topics include conceptual design, critical thinking in the creation of practical design, how design relates to industry, human perception and the visual process, and the history of visual communication, from the symbols of the cave man to modern-day advertising.

HEALTH INFORMATION TECHNOLOGY

Curriculum revisions:

Revise the requirements for the Health Information Technology A.A.S. (#0285) due to the course substitution of HIT 105 for BIO 111; total semester credit hours remain the same.

Revise the requirements for the Coding Certificate (#0287) due to the course substitution of HIT 105 for BIO 111; total semester credit hours remain the same.

Course addition:

HIT 105 1:1:0
Advanced Medical Terminology
Course continues study of medical terminology. Content includes medical word roots, prefixes, suffixes and combining forms that relate to pharmacology, oncology, radiology, nuclear medicine and psychiatry.
Prerequisite: HIT 104.

Course revision:

HIT 201

Fundamentals of Medical Science

Change prerequisite to: HIT 105, HIT 106, HIT 170, and BIO 132 with minimum grades of C.

HISTORY

Course additions:

HIS 208

3:3:0

History of Ancient Africa

Course surveys the history of Africa to 1885. Content includes the agricultural revolution, Iron Age, migrations of peoples, commerce, early African states and stateless societies, Islam, slavery and the slave trades, European exploration and Christianity, colonial conquest and African resistance. Course also examines the role of oral traditions, linguistic analysis, archaeological evidence and early literature in understanding the complexities of African history.

HIS 234

3:3:0

History of Latin America, 1825 to 1945

Course surveys political, social, economic and cultural development of Central and South America from independence to beginning of the Cold War. Content focus is on role of literature, film, music and popular art in understanding complexities of Latin American history.

IAI S2 911N

HOTEL MANAGEMENT

Course revision:

HFM 184

Foodservice Sanitation

Change prefix to ECE

Course description updated

HUMAN SERVICES

Curriculum addition:

Add a 60-credit-hour Substance Abuse Counseling A.A.S. (#0204).

Curriculum revision:

Revise the Human Services A.A.S. (#0207) to eliminate the options.

Course addition:

HSV 260

1:1:0

CADC Test Review

Course reviews content of course work in Substance Abuse Counseling Certificate program and the Core Functions required by IAODAPCA to receive the CADC (Certified Alcohol and Drug Counselor) credential. Focus is on preparation for the IC&RC examination. Prerequisite: HSV 155 or consent of department coordinator.

HUMANITIES

Course revisions:

HUM 220

Non-Western Humanities

Change title to: Asian Humanities

Course description updated

HUM 260

Perspectives on Film

Change credit:lecture:lab ratio to 3:3:1

INTERNATIONAL TRADE

Curriculum revision:

Change the requirements for the International Trade Certificate (#0202); total semester credit hours remain the same.

JAPANESE

Course addition:

JPN 206

3:2:2

Japanese Conversation and Reading

Course reinforces oral and written communication skills. Content includes a variety of speaking and essay-writing activities, and develops reading ability with Japanese materials. Topics are drawn from classical and contemporary life and culture. Prerequisite: JPN 202 or consent of instructor.

Fee \$15

MANAGEMENT AND SUPERVISION

Curriculum additions:

Add a 15-credit-hour Customer Service Certificate (#0251).

Add a 29-credit-hour Applied Business Certificate (#0252).

Curriculum revisions:

Revise the requirements for the Management and Supervision A.A.S. (#0226) due to the reduction in hours of MGT 251; total semester credit hours remain the same.

Revise the requirements for the Management and Supervision Certificate (#0225) due to the reduction in hours of MGT 251, as above; total semester credit hours remain the same.

Course addition:

MGT 210

3:3:0

Business Etiquette

Course presents the fundamentals of business etiquette as they are applied to the modern multicultural and global business environments. Content includes the importance of the first impression, polite conversation, personal appearance, office politics, diplomacy, telephone and cell phone etiquette, proper oral and written communication, and the protocol of meetings both in the United States and abroad. Students will participate in an off-campus formal dining experience.

Course revisions:

MGT 105

Understanding and Applying Business Skills

Change credit:lecture:lab ratio to 3:3:0

MGT 251

Practicum

Change credit:lecture:lab ratio to 3:1:15

Change prerequisite to: Satisfactory completion of 12 hours of MGT core courses or 12 hours within the Applied Business Certificate.

MARKETING MANAGEMENT

Curriculum revisions:

Revise the requirements for the Pharmaceutical Sales Certificate (#0438); total semester credit hours increase to 23.

Change the requirements for the Nonprofit Advancement Certificate (#0455); total semester credit hours remain the same.

Course revisions:

MKT 215

Principles of Advertising

Change title to: Introduction to Advertising

Course description updated

MKT 244

Public Relations II: Special Events

Change title to: Advanced Public Relations and Special Events

MKT 280

Advertising Workshop

Change title to: Advanced Advertising

MATHEMATICS

Course addition:

MAT 090

1:1:0

Developmental Mathematics Support

Course provides an additional hour of support to developmental courses that require it. Content includes classroom activities which vary depending upon instructor's methods of addressing student needs and specific mathematics course. Prerequisite: Recommendations will be determined by tandem MAT course(s).

MEDICAL LABORATORY TECHNOLOGY

Curriculum revision:

Revise the Pharmacy Technician Certificate (#0282) from 4 to 5 credit hours.

Course revision:

MLT 125

Pharmacy Technician

Change credit:lecture:lab ratio to 5:5:0

Course description updated

NURSING / REGISTERED NURSING

Curriculum revision:

Revise the requirements for the Registered Nursing A.A.S. (#0320); total semester credit hours increase to 70.

Course additions:

NUR 262

7:5:6

NCLEX Review (Remedial)

Course reviews basic professional nursing practice for the graduate nurse or the nursing student preparing for NCLEX. Content includes both didactic and clinical experience to meet state requirements. Knowledge of professional nursing practice is assumed and necessary to be successful in the course. Course satisfies requirements for a remedial course as described by the Illinois Department of Financial and Professional Regulation (IDFPR). Prerequisite: Graduate nurse or nursing student preparing for the NCLEX (National Council Licensure Exam) and consent of department chair. Course may be repeated one time.

Fee \$85

NUR 263

7:5:6

NCLEX Review (CGFNS)

Course reviews basic professional nursing practice for the graduate of a foreign nursing program. Content includes both didactic and clinical experience to meet state requirements. Knowledge of professional nursing practice is assumed and necessary to be successful in the course. Course satisfies requirements for a remedial course as described by the Illinois Department of Financial and Professional Regulation (IDFPR). Recommended: EGL 089. Prerequisites: Graduate of a foreign nursing program who is preparing for the CGFNS (Commission on Graduates of Foreign Nursing Schools) exam in order to become eligible for the NCLEX (National Council Licensure Exam); 47 or higher on DRP (Degrees of Reading Power) and consent of department chair. Course may be repeated one time.

Fee \$85

Course revision:

NUR 261
Nursing Practice Review
Course description updated

PHILOSOPHY

Course revision:

PHL 215
Non-Western Philosophy
Change title to: Asian Philosophy
Course description updated

PHYSICAL EDUCATION

Course additions:

PED 128 1:0:2
Yoga I
This class is designed to introduce yoga postures with fitness movements in order to increase flexibility, strength, range of motion and improve balance. Techniques will focus on relaxation and breathing.
Fee \$25

PED 129 1:0:2
Yoga II
This class continues to explore a variety of yoga postures with fitness movements in order to increase flexibility, strength, range of motion and improve balance. Techniques will focus on relaxation and breathing.
Fee \$25

Course revisions:

PED 130
Conditioning – Stretch, Shape, Tone
Change title to: Conditioning I
Course description updated

PED 131
Physical Fitness
Change title to: Physical Fitness I
Course description updated

PED 132
Weight Training I
Course description updated

PED 141
Physical Fitness II
Course description updated

PED 160
Conditioning II – Stretch, Shape, Tone
Change title to: Conditioning II
Course description updated

PED 190
Fitness Center
Course description updated

PHYSICS

Course additions:

PHY 120 4:3:3
Practical Astronomy
Course introduces astronomy. Content includes historical development of astronomy, solar system and planetary motion, physics of motion, electromagnetic radiation and astronomical instruments, stars and stellar evolution, galaxies, the big bang, and cosmology. Laboratory activities include operation of telescopes, observation of solar system and deep sky objects, sky charts, and use of computer based planetarium software. Credit cannot be received in both PHY 120 and PHY 115. Recommended: MAT 052 or higher.

Fee \$30

PHY 290 1-4:0-4:0-4
Topics in Physics
Course is designed to meet the special interest needs of physics students. Topics will be offered for variable credit from one to four semester credit hours. Students may repeat PHY 290 up to three times on different topics for a maximum of nine semester credit hours. Prerequisite may vary by topic.

Fee varies

Course revision:

PHY 115
Descriptive Astronomy
Course description updated
Add recommendation: MAT 052 or higher.

POLITICAL SCIENCE

Course addition:

PSC 204 3:3:0
International Terrorism
Course examines basic characteristics, underlying causes and dynamics of contemporary international terrorism in an historical and international relations context. Content includes developing an analytical framework for understanding terrorist groups, motivations, tactics, strategies, and targets, as well as international counterterrorism efforts.

PSYCHOLOGY

Course addition:

PSY 122

3:3:0

Human Sexuality

This course examines the biological, psychological and social aspects of human sexuality. Topics include sexual identity and effects of genetic, cultural and environmental influences on human relationships and behavior.

IAI SW 912

End of SECTION II

(COURSE & CURRICULUM CHANGES INCLUDED IN 2006-2007 CATALOG)

SECTION III

COURSE & CURRICULUM CHANGES NOT INCLUDED IN 2006-2007 CATALOG [APPROVED AFTER CATALOG WENT TO PRESS]

ART

Course addition:

ART 277 3:0:6
Color Correction for Photographers
Course focuses on the use of Color Management to get consistent color from input through editing through output and color correction techniques. Topics include creation and use of .icc color profiles for scanners, digital cameras, monitors, and inkjet printers; choosing hardware, types of ink, using art papers, proofing, and related techniques. Prerequisite: ART 216.
Fee \$75

BIOLOGY

Course addition:

BIO 222 3:3:0
Pathophysiology and Human Disease
Course analyzes and compares human diseases by studying pathophysiology, histopathology, and the impact of disease on cellular metabolism. Content covers an introduction to pathophysiology and human disease, and is intended primarily for health career students. Prerequisite: BIO 132.
Fee \$15

CHINESE

Course addition:

CHI 105 3:2:2
Conversational Chinese
Course provides practice in conversational Mandarin Chinese to develop oral facility. Content includes specially designed exercises in pronunciation, tones, and vocabulary development. Oral presentations and class discussions of life in China. Prerequisite: CHI 102 or consent of instructor.
Fee \$15

COMPUTER APPLICATIONS FOR BUSINESS

Curriculum revision:

For the A.A.S. in Computer Applications for Business (#0301), change one of the options within the course requirements; total semester credit hours remain the same.

Course addition:

CAB 150 2:2:1
Visio Fundamentals
Comprehensive course covering the features and applications of Microsoft Visio. This software creates graphical diagrams to communicate information that supplements text and numbers within business and technical documents. Prerequisite: Computer experience using software that runs in Microsoft Windows.
Fee \$15

EARLY CHILDHOOD EDUCATION

Curriculum revision:

Change the requirements for the A.A.S. in Early Childhood Education (#0070); total semester credit hours remain the same.

Course revision:

ECE 257

Practicum I

Add ECE 107 to the prerequisite courses.

ECONOMICS

Course revisions:

ECO 201

Principles of Economics I

Change title to: Principles of Macroeconomics

ECO 202

Principles of Economics II

Prerequisite: ECO 201

Change title to: Principles of Microeconomics

Delete prerequisite

ELECTRONICS AND COMPUTER TECHNOLOGY

Curriculum revision:

For the A.A.S. in Electronics and Computer Technology (#0165), add “RFD courses” to those totaling a minimum of 8 elective credits; total semester credit hours remain the same.

GRAPHIC DESIGN

Curriculum revisions:

Change the requirements for the Animation and Multimedia Certificate (#0371); total semester credit hours remain the same.

For the Web Graphic Page Design Certificate (#0372), add EGL 211 to the 3-credit elective options; total semester credit hours remain the same.

Change the requirements for the Photography Certificate (#0373); total semester credit hours remain the same.

Change the requirements for the Game Development Certificate (#0374); total semester credit hours remain the same.

Course addition:

GRD 160

3:2:2

Fundamentals of Digital Imaging using Photoshop Elements

Course covers the fundamental principles of digital imaging, including production, manipulation and output of digital images, and basic elements of design. High quality images will be produced from stock imaging and scanning from film and flat artwork. Course is designed for students who seek a foundation for ART 216 and those who are preparing to work in the photography/design field as medical photographers, wedding photographers, and production artists, who will not need the more extensive study of Photoshop and digital imaging provided in ART 216.

Fee \$75

HEALTH INFORMATION TECHNOLOGY

Course revisions:

HIT 115

Insurance Procedures for the Medical Office: Medicare

Change prerequisite to: HIT 113 and HIT 114 with minimum grades of C, or concurrent enrollment in both courses.

HIT 116

Insurance Procedures for the Medical Office: Non-Medicare

Change prerequisite to: HIT 113 and HIT 114 with minimum grades of C, or concurrent enrollment in both courses.

HIT 252

Health Information Technology Practice II

Change prerequisites to: HIT 251 with minimum grade of C; HIT 222 and HIT 260 with minimum grades of C, or concurrent enrollment in both courses.

INDUSTRIAL DESIGN

Course revisions:

IDE 110

Introduction to Industrial Design Engineering

Change prefix and number to CAD 105

Change title to: Industrial Design Engineering

IDE 210

Advanced Industrial Design Engineering

Change prefix to CAD

Change title to: Industrial Design Engineering Techniques

Change prerequisite to: Recommended: CAD 105.

MANAGEMENT AND SUPERVISION

Course additions:

MGT 155 3:3:0

Operations and Supply Chain Management

Course integrates the concepts, principles, problems and practices of operations management and supply chain management. Content includes: supply chain and operations strategies, quality control, process choice and layout, managing capacity, forecasting, source decisions and purchasing, logistics, project management, just in time/lean production, global channel management, and managing inventory throughout the supply chain.

MGT 156 3:3:0

Introduction to Transportation, Warehousing and Logistics

Course covers business logistics concepts including the management of transportation, inventory, packaging, warehousing, materials handling, order processing, facility location, and customer service.

MANUFACTURING TECHNOLOGY

Curriculum revision:

For the A.A.S. in Manufacturing Technology (#0274), add “RFD” to the additional courses that will satisfy the 5 elective credits; total semester credit hours remain the same.

Course addition:

MFG 160 3:2:2

Introduction to Bar Code Technology and Applications

Course covers bar code identification concepts, fundamentals of bar code types, and how emerging Electronic Product Code (EPC) standards are influencing adoption. Students will gain a practical understanding of bar code types, applications, reader capabilities, and their value in supplying management with real-time data for making good businesses decisions. Applications include how to implement bar code data entry and printing systems for inventory control, warehouse sorting and palletizing operations, and work in process part tracking.

Fee \$25

NURSING / REGISTERED NURSING

Curriculum additions:

Add a 7-credit-hour NCLEX Review Remedial Certificate (#0324).

Add a 7-credit-hour Nursing Review (CGFNS) Certificate (#0327).

RADIO FREQUENCY IDENTIFICATION / MANUFACTURING TECHNOLOGY

Course addition:

RFD 101 3:2:2

Introduction to Radio Frequency Identification

Course covers radio frequency identification (RFID) concepts and fundamentals, and how emerging electronic product code (EPCglobal) standards are influencing adoption. Content includes RFID capabilities, current applications of RFID in businesses, and practical ways to articulate use cases for this technology to potential employers and peers.

Fee \$35

REAL ESTATE

Course addition:

RES 280

2:2:0

Mortgage Loan Originator

Course covers contemporary issues of mortgage lending. Content includes Real Estate Settlement Procedures Act (RESPA), various Acts that pertain to mortgage lending, as well as an overview of conventional, government and sub prime lending. Course satisfies the Illinois course requirement for a mortgage loan originator.

