



**ADDENDUM NO. 3**

**TO**

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**KEISER UNIVERSITY  
CATALOG ADDENDUM**

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**Keiser University continually reviews, improves and updates its programs, courses and curricula. It is incumbent on the University to reflect these revisions in its publications. The following Addendum No. 3 represents additions, changes and deletions to the 2010-2011 Keiser University Catalog, August 2010 Edition, Volume 10, No. 1, and is effective January 13, 2011.**

## **PAGE 15, LICENSURE AND ACCREDITATION**

Insert the following AFTER Physical Therapist Assistant, Fort Lauderdale:

The Physical Therapist Assistant Program at Keiser University's Jacksonville Campus has been granted Candidate for Accreditation status by the Commission on Accreditation in Physical Therapy Education of the American Physical Therapy Association (1111 North Fairfax Street, Alexandria, VA, 22314; phone: 703-706-3245; email: [accreditation@apta.org](mailto:accreditation@apta.org)). Candidacy is not an accreditation status nor does it assure eventual accreditation. Candidate for Accreditation is a pre-accreditation status of affiliation with the Commission on Accreditation in Physical Therapy Education that indicates the program is progressing toward accreditation.

Keiser University Sarasota's Physical Therapist Assistant Program has been granted Candidate for Accreditation status by the Commission on Accreditation in Physical Therapy Education of the American Physical Therapy Association (1111 North Fairfax Street, Alexandria, VA, 22314; phone: 703-706-3245; email: [accreditation@apta.org](mailto:accreditation@apta.org)). Candidacy is not an accreditation status nor does it assure eventual accreditation. Candidate for Accreditation is a pre-accreditation status of affiliation with the Commission on Accreditation in Physical Therapy Education that indicates the program is progressing toward accreditation.

## **PAGE 29, PROGRAM-SPECIFIC ADMISSIONS REQUIREMENTS**

Replace this section with the following:

All candidates must achieve the required entrance examinations scores and all other requirements for admission to specific bachelor and associate degree allied health programs.

## **PAGE 37, FLORIDA'S STATEWIDE COURSE NUMBERING SYSTEM**

Replace this section with the following:

### **FLORIDA'S STATEWIDE COURSE NUMBERING SYSTEM**

Courses in this catalog are identified by prefixes and numbers that were assigned by Florida's Statewide Course Numbering System (SCNS). This numbering system is used by all public postsecondary institutions in Florida and 28 participating non-public institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Students and administrators can use the online Statewide Course Numbering System to obtain course descriptions and specific information about course transfer between participating Florida institutions. This information is at the SCNS website at <http://scns.fldoe.org>.

Each participating institution controls the title, credit, and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the Statewide Course Numbering System (SCNS). The list of course prefixes and numbers, along with their generic titles, is referred to as the "SCNS taxonomy." Descriptions of the content of courses are referred to as "statewide course profiles."

### **Example of Course Identifier**

<b>Prefix</b>	<b>Level Code</b> (first digit)	<b>Century Digit</b> (second digit)	<b>Decade Digit</b> (third digit)	<b>Unit Digit</b> (fourth digit)	<b>Lab Code</b>
<b>ENC</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	
English Composition	Lower (Freshman) Level at this institution	Freshman Composition	Freshman Composition Skills	Freshman Composition Skills I	No laboratory component in this course

### General Rule for Course Equivalencies

Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions. (Exceptions are listed below.)

For example, a freshman composition skills course is offered by 56 different postsecondary institutions. Each institution uses “ENC\_101” to identify its freshman composition skills course. The level code is the first digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, “ENC” means “English Composition,” the century digit “1” represents “Freshman Composition,” the decade digit “0” represents “Freshman Composition Skills,” and the unit digit “1” represents “Freshman Composition Skills I.”

In the sciences and certain other areas, a “C” or “L” after the course number is known as a lab indicator. The “C” represents a combined lecture and laboratory course that meets in the same place at the same time. The “L” represents a laboratory course or the laboratory part of a course, having the same prefix and course number without a lab indicator, which meets at a different time or place.

Transfer of any successfully completed course from one participating institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Equivalencies are established by the same prefix and last three digits and comparable faculty credentials at both institutions. For example, ENC 1101 is offered at a community college. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at the community college is guaranteed to receive transfer credit for ENC 2101 at the state university if the student transfers. The student cannot be required to take ENC 2101 again since ENC 1101 is equivalent to ENC 2101. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed that have not been designated as equivalent. **NOTE:** Credit generated at institutions on the quarter-term system may not transfer the equivalent number of credits to institutions on semester-term systems. For example, 4.0 quarter hours often transfers as 2.67 semester hours.

### The Course Prefix

The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or sub-category of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix to identify the course.

### Authority for Acceptance of Equivalent Courses

Section 1007.24(7), Florida Statutes, states:

Any student who transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the statewide course numbering system shall be awarded credit by the receiving institution for courses satisfactorily completed by the student at the previous institutions. Credit shall be awarded if the courses are judged by the appropriate statewide course numbering system faculty committees representing school districts, public postsecondary educational institutions, and participating nonpublic postsecondary educational institutions to be academically

equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The Department of Education shall ensure that credits to be accepted by a receiving institution are generated in courses for which the faculty possess credentials that are comparable to those required by the accrediting association of the receiving institution. The award of credit may be limited to courses that are entered in the statewide course numbering system. Credits awarded pursuant to this subsection shall satisfy institutional requirements on the same basis as credits awarded to native students.

### **Exceptions to the General Rule for Equivalency**

Since the initial implementation of the SCNS, specific disciplines or types of courses have been excepted from the guarantee of transfer for equivalent courses. These include varying topics courses that must be evaluated individually, or applied courses in which the student must be evaluated for mastery of skill and technique. The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution.

- A. Courses not offered by the receiving institution.
- B. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.
- C. Courses in the \_900-999 series are not automatically transferable, and must be evaluated individually. These include such courses as Special Topics, Internships, Apprenticeships, Practica, Study Abroad, Thesis and Dissertations.
- D. College preparatory and vocational preparatory courses.
- E. Graduate courses.
- F. Internships, apprenticeships, practica, clinical experiences and study abroad courses with numbers other than those ranging from 900-999.
- G. Applied courses in the performing arts (Art, Dance, Interior Design, Music, and Theatre) and skills courses in Criminal Justice (academy certificate courses) are not guaranteed as transferable. These courses need evidence of achievement (i.e., portfolio, audition, interview, etc.).

### **Courses at Nonregionally Accredited Institutions**

The Statewide Course Numbering System makes available on its home page (<http://scns.fldoe.org>) a report entitled "Courses at Nonregionally Accredited Institutions" that contains a comprehensive listing of all nonpublic institution courses in the SCNS inventory, as well as each course's transfer level and transfer effective date. This report is updated monthly.

Questions about the Statewide Course Numbering System and appeals regarding course credit transfer decisions should be directed to Dr. David Kreitner in the Office of the Chancellor, Academic Affairs Department, or the Florida Department of Education, Office of Articulation, 1401 Turlington Building, Tallahassee, Florida 32399-0400. Special reports and technical information may be requested by calling the Statewide Course Numbering System office at (850) 245-0427 or via the internet at <http://scns.fldoe.org>.

## **PAGE 61, CAMPUS SAFETY**

Insert the following after the first paragraph:

### **Annual Security Report**

In compliance with the 34 CFR 668.41 and 34 CFR 668.46 2008 federal regulation amendments, the following is the electronic address at which Keiser University's Annual Security Report is posted:

<http://www.keiseruniversity.edu/safetyandsecurity/annual-security-report.php>

The Annual Security Report contains crime statistics and describes institutional security policies. Upon request the institution will provide a hard copy of the report.

## **PAGE 84, SATISFACTORY ACADEMIC PROGRESS**

Replace this section with the following:

**Satisfactory Academic Progress for these specific Allied Health programs will be according to the policy stated below:**

Diagnostic Medical Sonography  
Diagnostic Vascular Sonography  
Dietetics and Nutrition  
Health Information Management  
Histotechnology\*  
Nuclear Medicine Technology  
Occupational Therapy Assistant  
Physical Therapy Assistant  
Radiation Therapy  
Radiologic Technology  
Respiratory Therapy  
Surgical Technology

**KEISER UNIVERSITY  
ALLIED HEALTH PROGRAM**

**Satisfactory Progress and Program Continuation**

The Allied Health Program has a set grading standard designed to assist graduates in achieving passing scores on the national certification examination and to demonstrate that the required core competencies have been achieved.

To enter the Allied Health program core component, the student must achieve a minimum cumulative GPA of 3.0, (on a 4.0 scale) in all general education courses. Earning a grade of “D” or “F” in any course, and/or not attaining a cumulative GPA of 3.0 (on a 4.0 scale) in the general education component will prevent the student from entering the program core. The student may elect to repeat a course in which a grade of “D” or “F” was received. Transfer credits from another institution will be calculated into this required general education cumulative GPA for admission into the program core.

To continue satisfactory progress in the Allied Health program, the student must achieve a minimum cumulative core GPA of 2.50 in the professional courses after completion of the first semester. If the student does not meet the required cumulative GPA of 2.50 for the first core semester the student will be placed on probation for the second semester.

At the end of the second semester all students must achieve a minimum core cumulative GPA of 2.75 or a semester GPA of 2.75 in order to continue in the program.

Students who do not meet the minimum cumulative core GPA requirement of 2.50 for the first semester and/or cumulative core GPA of 2.75 for the second semester may continue on probation for one additional semester even though their core cumulative GPA is below 2.75 provided he/she meets the minimum semester GPA of 2.75. Students must meet a cumulative core GPA of 2.75 for all subsequent semesters in order to continue in the program. Students who do not meet the 2.75 cumulative core GPA requirement for subsequent semesters will be permanently dismissed from the program.

*\*Students enrolled in the Histotechnology program are not required to complete general education courses prior to beginning the Histotechnology core courses. Therefore, these students are not required to achieve a minimum cumulative GPA of 3.0 in all general education courses prior to entering the program core component.*

**PAGE 97, PROGRAMS OFFERED AT EACH CAMPUS/SARASOTA**

Under **Associate of Arts**, insert the following:

Criminal Justice

## **PAGE 104, MA CRIMINAL JUSTICE MAJOR CORE COURSES**

Change the titles of the following two courses as follows:

MACJ595	Capstone: Criminal Justice Thesis Part I (prerequisite MACJ590)	3.0 credit hours
MACJ600	Capstone: Criminal Justice Thesis Part II (prerequisite MACJ595, taken in last term)	3.0 credit hours

## **PAGE 106, MBA MAJOR CORE COURSES**

Delete “(co requisite course)” from the listing for MBA501 Survey of Accounting.

## **PAGE 108-109, PROGRAM OBJECTIVES, MS EDUCATION**

Replace this section with the following:

### **Program Objectives**

Keiser University’s MEd program enables students to contribute to the education profession and fosters independent learning. Upon completion of this program, students are able to:

- Demonstrate theory-based and practical leadership in K-12, higher education, and related fields
- Incorporate critical thinking, scholarly writing, research, and technology in practice
- Design and evaluate curriculum, instruction, and program assessment
- Direct educational operations including classroom management, finance, human resources, and/or enrollment management
- Exhibit competency in professional practices including ethics, diversity, legal issues, and communication with all educational stakeholders

## **PAGE 110, MS PHYSICIAN ASSISTANT**

Replace the program description with the following:

### **Program Description**

Keiser University’s Master of Science degree in Physician Assistant is an intense study of patient care theory, science and practice, combining didactic, laboratory, and clinical study and experience.

The first year is an intense study of basic sciences and clinically related didactic course work. The clinical year provides students with experience in emergency medicine, surgery, obstetrics and gynecology, pediatrics, psychiatry, family medicine, internal medicine, and two electives. Learner-centered activities will be used and include: independent and collaborative learning, experiential applications, case study analysis and problem-based instruction through simulations and model-based applications. Graduates are required to sit for the Physician Assistant National Certification Examination (PANCE) and eligible, upon successful completion of the PANCE, to be licensed and practice medicine under the supervision of a physician.

## **PAGE 112-13, MS PHYSICIAN ASSISTANT**

Replace this section beginning with “Program Outline”:

### **Program Outline**

To receive a Master of Science in Physician Assistant degree, students must earn 138 graduate semester credit hours. The first year includes 84 semester credit hours of didactic and laboratory instruction. The second year includes 54 semester credit hours consisting of 45 semester credit hours of clinical rotations and 9 semester credit hours of coursework that includes a Graduate Project, Certification Examination Review, Introduction to Healthcare Research and Biostatistics, and Transition into Physician Assistant Practice.



No elective courses are offered in this program, although one elective clinical rotation is required. All program didactic and clinical hours must be completed through Keiser University. Program requirements are as follows:

**Master of Science in Physician Assistant Major Core Courses (138.0 credit hours)**

**First Year-Didactic and Lab (84.0 credit hours)**

MPA500	Introduction to the Physician Assistant Profession	1.0 credit hour
MPA501	Medical Terminology	1.0 credit hour
MPA502	Fundamentals of Diagnostic Methods	3.0 credit hours
MPA510	Physical Diagnosis I	3.0 credit hours
MPA511	Human Physiology	4.0 credit hours
MPA512	Clinical Pathophysiology	3.0 credit hours
MPA513	Human Anatomy	5.0 credit hours
MPA514	Applied Learning Experience	1.0 credit hour
MPA520	Physical Diagnosis II	3.0 credit hours
MPA521	Microbiology	3.0 credit hours
MPA522	Ethical and Legal Medicine	3.0 credit hours
MPA523	Clinical Pharmacology	2.0 credit hours
MPA524	Fundamentals of Clinical Medicine and Surgery I	5.0 credit hours
MPA525	Clinical Laboratory Medicine I	1.0 credit hour
MPA526	Psychosocial Issues in Healthcare	2.0 credit hours
MPA530	Physical Diagnosis III	3.0 credit hours
MPA531	Principles of Life Support and Electrocardiography	5.0 credit hours
MPA532	Clinical and Surgical Procedures	4.0 credit hours
MPA533	Pharmacotherapeutics I	4.0 credit hours
MPA534	Fundamentals of Clinical Medicine and Surgery II	6.0 credit hours
MPA535	Clinical Laboratory Medicine II	2.0 credit hours
MPA536	Health Promotion and Disease Prevention	2.0 credit hour
MPA537	Healthcare Policy	1.0 credit hour
MPA538	Medical Genetics	1.0 credit hour
MPA539	Alternative and Complementary Medicine	2.0 credit hours
MPA540	Clinical Psychiatry	3.0 credit hours
MPA543	Pharmacotherapeutics II	3.0 credit hours
MPA544	Fundamentals of Clinical Medicine and Surgery III	8.0 credit hours

**Second Year-Clinical and Didactic (54.0 credit hours)**

MPA600	Prenatal/Gynecology CR	5.0 credit hours
MPA610	Internal Medicine CR	5.0 credit hours
MPA620	Surgery CR	5.0 credit hours
MPA630	Emergency Medicine CR	5.0 credit hours
MPA640	Pediatrics CR	5.0 credit hours
MPA650	Family Medicine CR	5.0 credit hours
MBA660	Psychiatry CR	5.0 credit hours
MPA670	Elective 1 CR	5.0 credit hours
MPA680	Elective 2 CR	5.0 credit hours
MPA515	Introduction to Healthcare Research and Biostatistics	3.0 credit hours
MPA690	Graduate Project	3.0 credit hours
MPA691	Certification Examination Review	2.0 credit hours
MPA692	Transition into Physician Assistant Practice	1.0 credit hour

## **PAGE 117, BA BUSINESS ADMINISTRATION PROGRAM DESCRIPTION**

Under Lower Division Major Courses, change FIN2006 to FIN2001.

## **PAGE 131, CYBER FORENSICS/INFORMATION SECURITY PROGRAM DESCRIPTION**

Insert the following before Dietetics and Nutrition:

### **CYBER FORENSICS/INFORMATION SECURITY Bachelor of Science Degree**

#### **Program Description**

Keiser University's Bachelor of Science degree in Cyber Forensics/Information Security is a completion program for graduates of associate of science programs in computer-related fields. It provides students with the technical expertise and investigation skills required to detect and prevent cybercrimes. Students will also be able to assess system weaknesses and suggest solutions that will provide protection against cybercriminal attacks.

#### **Program Objectives**

The following objectives are designed to meet Keiser University's mission and its goals:

- To provide students with the knowledge, critical thinking skills and communication skills needed in the field of Cyber Forensics/Information Security.
- To assist students in becoming proficient in the use of information technology security tools and basic forensic techniques for the collection, preservation, analysis, and reporting of digital network evidence.
- To enhance students' ability to plan for, detect, respond to, and recover from incidences that require network forensic activity.
- To equip students with the skills needed to analyze the legal considerations for investigating and prosecuting computer crimes to develop a forensic process that is defensible in court.

#### **Prerequisites for Major Courses**

- Graduation from an accredited associate degree program in a computer-related field.
- The following lower division courses must be successfully completed before beginning upper division major courses. (Course equivalency is established by the dean of academic affairs from official transcripts received from accredited institutions)

ECO1023	Microeconomics
ENC2102	English Composition II

MAC2105	College Algebra
	OR
MGF2106	College Mathematics

PSY1012	Introduction to Psychology
STA2023	Statistics

- A minimum 24 semester credit hours of general education courses must be earned by students transferring in credits from another associate degree program.

## PAGE 138, FORENSIC INVESTIGATIONS PROGRAM DESCRIPTION

Insert the following program description before Health Information Management:

### FORENSIC INVESTIGATIONS

#### Bachelor of Science Degree

##### Program Description

Keiser University's Bachelor of Science degree in Forensic Investigations prepares students with competencies in the collection, preservation, and analysis of physical evidence for presentation in legal proceedings. The program provides students with the skills required to recognize relevant scientific information discoverable through forensic analysis of various types of physical evidence. Oral and written communications regarding the results of investigations and forensic analysis is also emphasized.

##### Program Objectives

The following objectives are designed to meet Keiser University's mission and its goals:

- To provide students with a comprehensive background in forensic investigative procedures and techniques.
- To instruct students in basic scientific concepts attributable to the natural and physical sciences.
- To provide students with a comprehensive background in the current use of natural and physical sciences in the solution of crime
- To provide students with a comprehensive background in criminal statutes, rules of criminal procedure, and rules of evidence which affect their capacity to testify effectively as expert witnesses in legal proceedings.
- To assist graduates in obtaining entry-level positions where their forensic investigation skills can be employed.

Prerequisites for Upper Division Major Courses

All lower division courses must be completed with a minimum grade average of 2.0 on a 4.0 scale. Entering students must achieve a Wonderlic Score (or comparable) of 20 or above for entrance into the program.

Graduation Requirements (in addition to Degree Requirements section of the catalog)

Successful completion of all upper division courses with a minimum grade average of 2.0 on a 4.0 scale.

##### Program Outline

To receive a Bachelor of Science degree in Forensic Investigations, students must earn a minimum of 135.0 semester credit hours as follows:

##### Lower Division Forensic Investigation Major Courses (36.0 credit hours)

CJE 1670C	Crime Scene Procedures	4.0 credit hours
CJB 1712C	Crime Scene & Evidence Photography	4.0 credit hours
CJT 1350C	Communication & Writing for the Crime Scene Professional	4.0 credit hours
CJT 2112C	Crime Scene Safety	4.0 credit hours
CJT 2113	Legal Aspects of Crime Scene Careers	4.0 credit hours
CJT 2122	Hazardous and Unusual Crime Scenes	4.0 credit hours
CJT 2141C	Introduction to Forensic Science	4.0 credit hours
CJT 2240C	Fingerprint Identification and Development	4.0 credit hours
CJT2260C	Biological Evidence	4.0 credit hours

##### Lower Division General Education Courses (41.0 credit hours)

Credit hours in parentheses include the required number of credit hours in each discipline.

##### Behavioral/Social Science (3.0 credit hours)

AMH1010	American History Pre 1876	3.0 credit hours
AMH1020	American History Since 1876	3.0 credit hours
IDS 1107	Strategies for Success	3.0 credit hours

POS1041	Political Science	3.0 credit hours
PSY1012	Introduction to Psychology	3.0 credit hours
SYG1000	Sociology	3.0 credit hours

**Communications (3.0 credit hours)**

SPC1010	Speech	3.0 credit hours
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**Computers (3.0 credit hours)**

CGS1000C	Introduction to Computers	3.0 credit hours
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**English (6.0 credit hours)**

ENC1101	English Composition I	3.0 credit hours
ENC2102	English Composition II	3.0 credit hours

**Humanities/Fine Arts (3.0 credit hours)**

AML1000	American Literature	3.0 credit hours
ENL1000	English Literature	3.0 credit hours

**Mathematics (3.0 credit hours)**

MAT 1033	Intermediate Algebra	3.0 credit hours
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**Natural Science (20.0 credit hours)**

BSC1010	General Biology	3.0 credit hours
BSC1010L	General Biology Laboratory	1.0 credit hour
CHM1045	General Chemistry	3.0 credit hours
CHM1045L	General Chemistry Laboratory	1.0 credit hour
CHM1046	Advanced Chemistry	3.0 credit hours
CHM1046L	Advanced Chemistry Laboratory	1.0 credit hour
BSC2085C	Human Anatomy and Physiology I	4.0 credit hours
BSC2086C	Human Anatomy and Physiology II	4.0 credit hours

**Upper Division Forensic Investigation Major Courses (52.0 credit hours)**

FSI3000	Forensic Investigations	3.0 credit hours
FSI3100	Forensic Biology	3.0 credit hours
FSI3100L	Forensic Biology Laboratory	1.0 credit hour
FSI3200	Forensic Anthropology	3.0 credit hours
FSI3200L	Forensic Anthropology Laboratory	1.0 credit hour
FSI3300	Forensic Chemistry	3.0 credit hours
FSI3300L	Forensic Chemistry Laboratory	1.0 credit hour
FSI3400	Introduction to Criminalistics I	3.0 credit hours
FSI3400L	Introduction to Criminalistics I Laboratory	1.0 credit hour
FSI3450	Introduction to Criminalistics II	3.0 credit hours
FSI3450L	Introduction to Criminalistics II Laboratory	1.0 credit hour
FSI4000C	Digital Image Processing	3.0 credit hours
FSI4100C	Crime Scene Documentation	3.0 credit hours
FSI4200C	Unusual Crime Scenes	3.0 credit hours
FSI4300	Elements of Proof	3.0 credit hours
FSI4400	Court Procedure and Evidence	3.0 credit hours
FSI4500	Presentation of Evidence	3.0 credit hours
FSI4600	Crime Scene Analysis	3.0 credit hours
FSI4940	Forensic Investigations Externship I	4.0 credit hours
FSI4941	Forensic Investigations Externship II	4.0 credit hours

**Upper Division Forensic Investigation General Education Courses (6.0 credit hours)**

CGS3300	Management Information Systems	3.0 credit hours
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## PAGE 151, BS NURSING PROGRAM DESCRIPTION

Replace this section with the following program description:

### NURSING

#### Bachelor of Science Degree Online

##### Program Description

Keiser University's Bachelor of Science degree in Nursing (RN to BSN) is designed as a degree completion program for registered nurses. It emphasizes critical thinking, leadership, management, research, physical assessment, and health promotion across a variety of community-based healthcare settings. The curriculum provides registered nurses with a better understanding of the cultural, political, economic, and social issues that affect patients and influence healthcare delivery through both online classroom and clinical components.

##### Program Objectives

The following objectives are designed to meet Keiser University's mission and its goals:

- To develop critical thinkers who are able to creatively engage in rational inquiry utilizing the nursing process in both well-defined, relatively common clinical situations and in complex clinical situations
- To develop skilled healthcare providers who are prepared to provide a higher level of nursing assessment in their direct or indirect care of ethically, culturally and/or spiritually diverse patients and their families
- To develop effective collaborators of healthcare who are prepared to work in a leadership capacity to design and manage the care of individuals and their families
- To develop caring and therapeutic communicators who are prepared to utilize broadened tools of communication in advocating the comfort and self-determination of patients and their families
- To develop nursing professionals who practice nursing within a legal/ethical framework

##### Prerequisites for Major Courses

- Background check and drug screening where applicable.
- Graduation from either an associate degree nursing program or a diploma nursing program.
- Proof of current, active and non-restricted professional licensure as a registered nurse in the United States.
- The following lower division courses must be successfully completed with a grade of "C" or higher before beginning upper division major courses. Course equivalency is established by the Dean of Academic Affairs from official transcripts received from regionally accredited institutions.

MAC2105	College Algebra, MAT1033 Intermediate Algebra <u>or</u> STA2023 Statistics
ENC1101	English Composition I
SPC1010	Speech
AML1000	American Literature <u>or</u> ENL1000 English Literature
CGS1000C	Introduction to Computers
BSC2085C	Human Anatomy and Physiology I
BSC2086C	Human Anatomy and Physiology II
MCB2000C	Microbiology I
DEP2004	Lifespan Development

##### Program Outline

To receive a Bachelor of Science degree in Nursing, students must earn 60.0 upper division credit hours. All courses must be completed with a grade of "C" or higher to proceed successfully through the program. Program requirements are as follows:

**NOTE: All lower division major and general education courses must be successfully completed before upper division courses are undertaken.**

**Upper Division Nursing Major Courses (42.0 credit hours)**

NUR3065	Physical Assessment in Healthcare	3.0 credit hours
NUR3126	Pathophysiology I	3.0 credit hours
NUR3127	Pathophysiology II	3.0 credit hours
NUR3516	Crisis Intervention	3.0 credit hours
NUR3655	Transcultural Factors in Healthcare Delivery	3.0 credit hours
NUR3805	Nursing Role and Scope	3.0 credit hours
NUR3826	Ethical and Legal Aspects of Nursing Practice	3.0 credit hours
NUR4165	Nursing Research	3.0 credit hours
NUR4286	Nursing and the Aging Family	3.0 credit hours
NUR4636	Community Nursing I	3.0 credit hours
NUR4637	Community Nursing II	3.0 credit hours
NUR4817	Nursing Roles Practicum	3.0 credit hours
NUR4827	Nursing Leadership and Management	3.0 credit hours
NUR4870	Nursing Informatics	3.0 credit hours

**Upper Division General Education Courses (18.0 credit hours)**

COM4022	Healthcare Communications	3.0 credit hours
ENC4313	Research Writing	3.0 credit hours
HUN3107	Nutrition	3.0 credit hours
IDS3355	Critical Thinking	3.0 credit hours
INP4203	Performance Evaluation	3.0 credit hours
STA3143	Statistical Methods for Healthcare	3.0 credit hours

**PAGE 187, PROGRAM DESCRIPTIONS, DIAGNOSTIC MEDICAL SONOGRAPHY**

Replace this section with the following:

**DIAGNOSTIC MEDICAL SONOGRAPHY****Associate of Science Degree**

**An Associate of Science degree is considered a terminal degree. The decision on course transferability rests with the receiving institution.**

**Program Description**

Keiser University's Associate of Science degree in Diagnostic Medical Sonography presents an integration of didactic, laboratory and clinical experiences. The program prepares students to function as entry-level diagnostic medical sonographers. Sonographers are highly skilled professionals qualified to provide patient services using diagnostic techniques under the supervision of a licensed doctor of medicine or osteopathy and assist physicians in gathering data necessary to reach diagnostic decisions.

**Program Objectives**

The following objectives are designed to meet Keiser University's mission and its goals:

- To develop students who are knowledgeable in general sonography
- To prepare students to perform appropriate two-dimensional, Doppler and other sonographic procedures and record data for interpretation by a physician
- To prepare students to act in a professional and ethical manner as entry-level sonographers
- To develop students who are knowledgeable in ultrasound physics and instrumentation

**Prerequisites for Major Courses**

- Background check and drug screening where applicable

- Completion of lower division general education courses with a minimum grade of “C” in each course
- Cumulative grade average of 3.0 on a 4.0 scale

**Program Outline**

To receive an Associate of Science degree in Diagnostic Medical Sonography, students must earn 91.0 credit hours. Program requirements are as follows:

**Diagnostic Medical Sonography Major Courses (65.0 credit hours)**

SON 1000C	Introduction to Diagnostic Medical Sonography	5.0 credit hours
SON 1100C	Practical Aspects of Sonography	5.0 credit hours
SON 1113C	Cross-Sectional Anatomy	5.0 credit hours
SON 1614C	Acoustic Physics and Instrumentation	5.0 credit hours
SON 1804	Clinical Rotation I	2.5 credit hours
SON 1814	Clinical Rotation II	2.5 credit hours
SON 1824	Clinical Rotation III	2.5 credit hours
SON 2009C	Diagnostic Medical Sonography Review	5.0 credit hours
SON 2111C	Abdominal Sonography	5.0 credit hours
SON 2120C	OB/GYN Sonography I	5.0 credit hours
SON 2122C	OB/GYN Sonography II	5.0 credit hours
SON 2150C	Ultrasound of Superficial Structures and Neonatal Brain	5.0 credit hours
SON 2171C	Introduction to Vascular Sonography	5.0 credit hours
SON 2834	Clinical Rotation IV	2.5 credit hours
SON 2844	Clinical Rotation V	2.5 credit hours
SON 2854	Clinical Rotation VI	2.5 credit hours

**General Education Courses (26.0 credit hours)**

Credit hours in parentheses indicate the required number of credit hours in each discipline.

**Behavioral/Social Science (3.0 credit hours)**

PSY1012	Introduction to Psychology	3.0 credit hours
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**Computers (3.0 credit hours)**

CGS1000C	Introduction to Computers	3.0 credit hours
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**English (3.0 credit hours)**

ENC1101	English Composition I	3.0 credit hours
ENC2102	English Composition II	3.0 credit hours

**Humanities/Fine Arts (3.0 credit hours)**

AML1000	American Literature	3.0 credit hours
ENL1000	English Literature	3.0 credit hours

**Mathematics (3.0 credit hours)**

MAT1033	Intermediate Algebra	3.0 credit hours
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**Natural Science (11.0 credit hours)**

BSC2085C	Human Anatomy and Physiology I	4.0 credit hours
BSC2086C	Human Anatomy and Physiology II	4.0 credit hours
PHY2001	General Physics I	3.0 credit hours

**PAGE 189, PROGRAM DESCRIPTIONS, DIAGNOSTIC VASCULAR SONOGRAPHY**

Replace this section with the following:

## **DIAGNOSTIC VASCULAR SONOGRAPHY**

### **Associate of Science Degree**

**An Associate of Science degree is considered a terminal degree. The decision on course transferability rests with the receiving institution.**

#### **Program Description**

Keiser University's Associate of Science degree in Diagnostic Vascular Sonography integrates didactic, laboratory and clinical experiences. The program prepares students to function as entry-level vascular sonographers. Vascular sonographers are highly skilled professionals qualified to provide patient services using diagnostic techniques under the supervision of a licensed doctor of medicine or osteopathy. Sonographers assist physicians in gathering data necessary to reach diagnostic decisions.

#### **Program Objectives**

The following objectives are designed to meet Keiser University's mission and its goals:

- To develop students who are knowledgeable in vascular sonography
- To prepare students to perform appropriate physiologic, two-dimensional Doppler and other non-invasive vascular procedures and record data for interpretation by a physician
- To prepare students to act in a professional and ethical manner as entry-level sonographers.
- To develop students who are knowledgeable in ultrasound/vascular physics and instrumentation

#### **Prerequisites for Major Courses**

- Background check and drug screening where applicable
- Completion of lower division general education courses with a grade of "C" or higher in each course
- Cumulative grade average for general education courses of 3.0 on a 4.0 scale

#### **Program Outline**

To receive an Associate of Science degree in Vascular Sonography, students must earn 88.5 credit hours. Courses must be completed with a grade of "C" or higher to progress to the next course in the program. Program requirements are as follows:

#### **Vascular Sonography Major Courses (62.5 credit hours)**

SON1000C	Introduction to Diagnostic Medical Sonography	5.0 credit hours
SON1100C	Practical Aspects of Sonography	5.0 credit hours
SON1113C	Cross-Sectional Anatomy	5.0 credit hours
SON1614C	Acoustic Physics and Instrumentation	5.0 credit hours
SON1805	Vascular Clinical Rotation I	2.5 credit hours
SON1815	Vascular Clinical Rotation II	2.5 credit hours
SON1825	Vascular Clinical Rotation III	2.5 credit hours
SON2170C	Hemodynamics and Cerebrovascular Sonography	5.0 credit hours
SON2175C	Peripheral Vascular Sonography	5.0 credit hours
SON2176C	Abdominal Vascular Sonography	5.0 credit hours
SON2179	Vascular Sonography Review	5.0 credit hours
SON2400C	Introduction to Echocardiography	5.0 credit hours
SON2835	Vascular Clinical Rotation IV	2.5 credit hours
SON2845	Vascular Clinical Rotation V	2.5 credit hours
SON2855	Vascular Clinical Rotation VI	2.5 credit hours
SON2865	Vascular Clinical Rotation VII	2.5 credit hours



**General Education Courses (26.0 credit hours)**

Credit hours in parentheses indicate the required number of credit hours in each discipline.

**Behavioral/Social Science (3.0 credit hours)**

PSY1012 Introduction to Psychology 3.0 credit hours

**Computers (3.0 credit hours)**

CGS1000C Introduction to Computers 3.0 credit hours

**English (3.0 credit hours)**

ENC1101 English Composition I 3.0 credit hours

ENC2102 English Composition II 3.0 credit hours

**Humanities/Fine Arts (3.0 credit hours)**

AML1000 American Literature 3.0 credit hours

ENL1000 English Literature 3.0 credit hours

**Mathematics (3.0 credit hours)**

MAT1033 Intermediate Algebra 3.0 credit hours

**Natural Science (11.0 credit hours)**

BSC2085C Human Anatomy and Physiology I 4.0 credit hours

BSC2086C Human Anatomy and Physiology II 4.0 credit hours

PHY2001 General Physics I 3.0 credit hours

**PAGE 219, PHYSICAL THERAPIST ASSISTANT PROGRAM DESCRIPTION**

Replace this section with the following program descriptor:

**PHYSICAL THERAPIST ASSISTANT  
Associate of Science Degree**

**An Associate of Science degree is considered a terminal degree. The decision on course transferability rests with the receiving institution.**

**Program Description**

Keiser University's Associate of Science degree in Physical Therapist Assistant prepares students for employment as a skilled licensed health care worker under the supervision of a licensed Physical Therapist. A Physical Therapist Assistant assists in the management of conditions such as arthritis, amputation, fractures, cerebrovascular accident (stroke), spinal cord injuries, traumatic brain injuries, wounds, developmental delays, cerebral palsy, cardiac and pulmonary pathology, sport injuries, work injuries and other types of injuries and/or pathologies.

**Program Objectives**

The following objectives are designed to meet Keiser University's mission and its goals. Graduates of the program are prepared to enter the workforce as entry-level physical therapist assistants by:

- Implementing treatment programs as directed by a physical therapist;
- Competently performing data collection skills necessary for a plan of care;
- Effectively communicating with healthcare team members and patients verbally and in writing;
- Participating in patient education as directed by a physical therapist; and
- Demonstrating a commitment to learning.

**Prerequisites for Major Courses**

- Background check and drug screening when applicable
- Completion of general education courses with cumulative grade average of 3.0 on a 4.0 scale
- Obtain a minimum of a “B” in both Anatomy & Physiology I and II.
- Score a minimum of 20 on the University’s entrance examination (Wonderlic).
- Provide documentation of having completed a minimum of 10 hours of physical therapy observation or work experience in a physical therapy department prior to starting core courses. The 10 hours observation must consist of 5 hours in a Skilled Nursing Facility (nursing home) and 5 hours in a Physical Therapy Outpatient Clinic within 1 year of beginning the PTA core.
- Attend 3 days (3 sessions) of Study Skills Workshops as well as 2 days (2 sessions) of Anatomy Workshops as scheduled by the University prior to the PTA core start.

### **Program Outline**

To receive an Associate of Science degree in Physical Therapist Assistant, students must earn 74.0 credit hours. Each course in the PTA major is a prerequisite for the subsequent course and therefore must be completed with a grade of “C” or higher in order to proceed successfully through the program. Program requirements are as follows:

#### **Physical Therapist Assistant Major Courses (48.0 credit hours)**

PHT1000C	Introduction to Physical Therapist Assistant	5.0 credit hours
PHT1300	Medical Diseases	6.0 credit hours
PHT1121C	Kinesiology	4.0 credit hours
PHT1251C	Patient Care Procedures	4.0 credit hours
PHT1261C	Tests and Measurements	4.0 credit hours
PHT1213C	Fundamental Modalities	4.0 credit hours
PHT1227C	Therapeutic Exercise I	2.0 credit hours
PHT1228C	Therapeutic Exercise II	4.0 credit hours
PHT2144C	Rehabilitation	4.0 credit hours
PHT2801	Clinical Experience I	1.0 credit hour
PHT2810	Clinical Experience II	5.0 credit hours
PHT2820	Clinical Experience III	5.0 credit hours

#### **General Education Courses (26.0 credit hours)**

Credit hours in parentheses indicate the required number of credit hours in each discipline.

#### **Behavioral/Social Science (3.0 credit hours)**

PSY1012	Introduction to Psychology	3.0 credit hours
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#### **Communications (3.0 credit hours)**

SPC1010	Speech	3.0 credit hours
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#### **Computers (3.0 credit hours)**

CGS1000C	Introduction to Computers	3.0 credit hours
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#### **English (3.0 credit hours)**

ENC1101	English Composition I	3.0 credit hours
ENC2102	English Composition II	3.0 credit hours

#### **Humanities/Fine Arts (3.0 credit hours)**

AML1000	American Literature	3.0 credit hours
ENL1000	English Literature	3.0 credit hours

#### **Mathematics (3.0 credit hours)**

MAT1033	Intermediate Algebra	3.0 credit hours
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#### **Natural Science (8.0 credit hours)**

BSC2085C	Anatomy and Physiology I	4.0 credit hours
BSC2086C	Anatomy and Physiology II	4.0 credit hours

## **PAGES 240, CERTIFICATE IN ACCOUNTING ONLINE**

Substitute the following for the paragraph under “Description”:

Keiser University's Certificate in Accounting program offers students who are currently working in the accounting field the necessary coursework required to meet specific CPA licensure requirements. This Certificate requires 30 credit hours of upper division baccalaureate-level coursework. Topics include specialized accounting and business concepts.

## **PAGES 251-252, MA CRIMINAL JUSTICE MAJOR COURSE REQUIREMENTS**

Replace these course descriptions with the following:

MACJ595 (3.0 credit hours)

### **Capstone: Criminal Justice Thesis Part I**

Quantitative-including statistics- and qualitative methods for conducting and analyzing criminal justice research. Topics include how to write a literature review and how to read and interpret theoretical, statistical and research components of peer reviewed journal articles. This course prepares students for application of the research process in the Capstone Criminal Justice Thesis. The pre-proposal for the thesis must be approved by completion of this course. (pre-requisite MACJ590)

MACJ600 (3.0 credit hours)

### **Capstone: Criminal Justice Thesis Part II**

A capstone course with emphasis on the social science research process in the area of Criminal Justice. This course includes a structured research project concerning a criminal justice issue or problem, a literature review and data collection, and presentation of findings. Prerequisites: MACJ590 and MACJ 595. Completion of 30 hours of Criminal Justice core courses. Must be taken in the last term of the Criminal Justice program.

## **PAGE 252-254, MBA MAJOR COURSE REQUIREMENTS**

Replace the descriptions for these courses with the following:

MBA521 (3.0 credit hours)

### **Financial Management**

Students learn fundamental principles and concepts of financial management. Various tools and cases are used to assist and train financial managers in decision-making. Topics include the analysis of risk and return, valuation of financial assets, capital budgeting applications, capital structure management, mergers and acquisitions, leveraged buyouts and working capital management. Co-requisite: MBA572 Prerequisite: MBA501

MBA531 (3.0 credit hours)

### **Marketing Management**

Students gain the knowledge and skills necessary to understanding the critical role of marketing in successful organizations. Topics include segmentation analysis, target markets, positioning, marketing mix elements, supply chain, marketing communication and pricing. Co-requisite: MBA572

MBA542 (3.0 credit hours)

### **Business Research Methods**

Students learn to conduct qualitative and quantitative research that contributes to business decision-making. Practical knowledge includes secondary data searches; questionnaire, interview, and case study design; data analysis and display; and written and oral reports. Business research ethics will be addressed. Co-requisite: MBA572

MBA551 (3.0 credit hours)

### **International Business**

Students learn key aspects of the international business environment and their impact on creating opportunities and challenges for business. Topics include theories, institutions, conventions and agreements affecting international business, as well as effective strategies for improving business performance in the global market. Practical experience is gained through the analysis of real-world cases and projects. Co-requisite: MBA572

MBA562 (3.0 credit hours)

### **Business Information Systems**

Case based analysis of a broad range of managerial as well as technical issues. Topics include technology, information systems high-level architecture, competitive advantage of information technology, software, information flow within organizations, electronic commerce systems, leadership decision support systems, ethical and legal aspects of IS, and successful development of business solutions. Co-requisite: MBA572

MBA571 (3.0 credit hours)

### **Organizational Behavior**

Students focus on three factors that contribute to successful organizational performance: individual behavior, group/team behavior and organization-wide processes. Topics include ethics, diversity, communication, motivation, leadership, conflict management and organizational culture, structure and change. Learning activities emphasize practical application of organizational theory. Co-requisite: MBA572

MBA572 (3.0 credit hours)

### **Comparative Management**

The comparative management course is a study of the upper-level concepts of the management functions in diverse business environments. Students focus is placed on the functional approach including planning, organizing, staffing, coordinating, directing, and controlling. The goals of the comparative management course are to evaluate the many management styles in the workplace today and analyze how each style has a different impact on employees. An analysis of the social, ethical, and economic consequences of managerial styles will be examined. Current management issues along with the impact of technology on the workplace, workplace ethics, and the restructuring of corporate America will be evaluated.

MBA581 (3.0 credit hours)

### **Managerial Economics**

Students are given an overview of key influences in a company or industry task environment. The course analyzes the potential impact of these influences on profits and alternative strategies which are profitable and available to managers in a competitive environment. Topics include consumer behavior and its impact on demand and revenue, fixed and variable costs of production, competitive and non-competitive markets and their implications for business strategy and profitability and the importance of resource markets for labor and capital. Co-requisite: MBA572

## **PAGE 264, MS PHYSICIAN ASSISTANT COURSE DESCRIPTIONS**

Replace MPA502 with the following:

MPA502 (3.0 credit hours)

### **Fundamentals of Diagnostic Methods**

The basic principles of radiology and imaging techniques such as plain radiographs, ultrasound, computed tomography and MRI images are reviewed. Normal and abnormal findings on these commonly ordered studies are emphasized. This course teaches the student how to read and interpret various forms of diagnostic imaging. Prerequisites: MPA501, MPA510, MPA511, MPA513, MPA524, MPA534

## **PAGE 265, MS PHYSICIAN ASSISTANT COURSE DESCRIPTIONS**

Replace description for MPA515 with the following:

MPA515 (3.0 credit hours)

### **Introduction to Healthcare Research and Biostatistics**

This course prepares the physician assistant student with skills to understand research design, analyze research information and apply it to clinical practice, evaluate methods and techniques commonly used in health care, including problem selection, literature review, instrumentation, methodology, statistical analyses and the writing of research reports and articles. This includes the interpretation of published research, application of statistical analyses and application of research methodologies. Topics discussed in this course include: an overview and history of epidemiology, study designs, rates and proportions, contingency tables, measures of association, confounding and effect modification, infectious disease epidemic surveillance and evaluation of clinical tests. Prerequisites: MPA501

## **PAGE 267, MS PHYSICIAN ASSISTANT COURSE DESCRIPTIONS**

Delete the description for MPA527.

## **PAGE 268, MS PHYSICIAN ASSISTANT COURSE DESCRIPTIONS**

Replace MPA 536 with the following:

MPA536 (2.0 credit hour)

### **Health Promotion and Disease Prevention**

This course will provide comprehensive discussions on the principles of health promotion and disease prevention. The student will focus on issues of screening, prophylaxis, patient education, risk factor assessment, counseling, immunization requirement. The US Preventative Health Task Force goals and objectives will be discussed. Recommended guidelines and strategies for early disease screening will be addressed using a population-specific frame of reference designed to compliment parallel learning experiences in Clinical Medicine, Physical Diagnosis, Genetics, Health Behavioral Counseling, Behavioral Dynamics, Women's Health and Pediatrics. Topics include control and prevention of communicable diseases relevant to the US population, toxicology, occupational health, environmental health, prevention of chronic conditions and violence as a public health problem. Prerequisites: MPA501, MPA510, MPA511, MPA513, MPA515, MPA524

## **PAGE 270-73, MS PHYSICIAN ASSISTANT COURSE DESCRIPTIONS**

Replace these course descriptions with the following:

MPA600 (5.0 credit hours)

### **Prenatal/ Gynecology CR**

This is a required five-week clinical rotation conducted in both the inpatient and outpatient settings. The physician assistant student while on this rotation will learn prenatal care, care of the Obstetric patient and assessment procedures for both maternal and fetal well being. The student will also learn about gynecological disorders, as well as the diagnosis, treatment and management of disorders that afflict both the gynecological and obstetric patients. This rotation emphasizes the pathophysiology, evaluation, diagnosis and management of systemic diseases and surgical conditions unique to the clinical practice of Women's Health. Inclusion of proper data collection through history and physical examination, formulation of accurate problem lists, thorough investigation and development of treatment plans utilizing evidence based medicine as determined by review and analysis of current medical literature. Common gynecologic conditions, methods and effectiveness of contraception, cancer detection methods, and the diagnosis and treatment of sexually transmitted disease in the female are explored. The course also includes assigned readings and exercises. Prerequisites: MPA500, MPA501, MPA502, MPA510, MPA511, MPA512, MPA513, MPA520, MPA522, MPA523, MPA524, MPA525, MPA526, MPA531, MPA532, MPA533, MPA534, MPA535, MPA538, MPA539, MPA540, MPA543, MPA544

MPA610 (5.0 credit hours)

### **Internal Medicine CR**

This is a required five-week clinical rotation conducted in both the inpatient and outpatient setting. The purpose of this rotation is to educate the physician assistant student in the diagnosis, management, and treatment of acute and chronic medical problems seen in the internal medicine practice. This rotation emphasizes the pathophysiology, evaluation, diagnosis and management of systemic diseases and surgical conditions unique to the clinical practice of

Internal Medicine. Inclusion of proper data collection through history and physical examination, formulation of accurate problem lists, thorough investigation and development of treatment plans utilizing evidence based medicine as determined by review and analysis of current medical literature. The course also includes assigned readings and exercises. Prerequisites: MPA500, MPA501, MPA502, MPA510, MPA511, MPA512, MPA513, MPA520, MPA522, MPA523, MPA524, MPA525, MPA526, MPA531, MPA532, MPA533, MPA534, MPA535, MPA538, MPA539, MPA540, MPA543, MPA544

MPA620 (5.0 credit hours)

### **Surgery CR**

This is a required five-week clinical rotation conducted in both the clinical and hospital setting.

This clinical rotation will provide an orientation to the diagnosis and management of health conditions best alleviated by surgical intervention. Preoperative care is emphasized along with the care of surgical wounds and minimizing post-operative complications. This rotation emphasizes the pathophysiology, evaluation, diagnosis and management of systemic diseases and surgical conditions unique to the clinical practice of Surgery. Inclusion of proper data collection through history and physical examination, formulation of accurate problem lists, thorough investigation and development of treatment plans utilizing evidence based medicine as determined by review and analysis of current medical literature. The course also includes assigned readings and exercises. Prerequisites: MPA500, MPA501, MPA502, MPA510, MPA511, MPA512, MPA513, MPA520, MPA522, MPA523, MPA524, MPA525, MPA526, MPA531, MPA532, MPA533, MPA534, MPA535, MPA538, MPA539, MPA540, MPA543, MPA544,

MPA630 (5.0 credit hours)

### **Emergency Medicine CR**

This is a required five-week clinical rotation which takes place in the Emergency department setting. This rotation will provide an introduction to the appropriate triage and management of trauma and acute medical problems in both children and adults. Students will learn to establish priorities while simultaneously diagnosing and treating critically ill patients. Physical examination skills and mastery of techniques and procedures essential to managing life-threatening illness and injury are emphasized. Basic and advanced ventilatory assistance, cardiopulmonary resuscitation, fluid and electro-lyte management are stressed. This rotation emphasizes the pathophysiology, evaluation, diagnosis and management of systemic diseases and surgical conditions unique to the clinical practice of Emergency Medicine. Inclusion of proper data collection through history and physical examination, formulation of accurate problem lists, thorough investigation and development of treatment plans utilizing evidence based medicine as determined by review and analysis of current medical literature. Laboratory sessions are used to familiarize the student with aseptic technique and basic surgical procedures such as airway control, various catheter placements, surgical bleeding control and wound management. The course also includes assigned readings and exercises. Prerequisites: MPA500, MPA501, MPA502, MPA510, MPA511, MPA512, MPA513, MPA520, MPA522, MPA523, MPA524, MPA525, MPA526, MPA531, MPA532, MPA533, MPA534, MPA535, MPA538, MPA539, MPA540, MPA543, MPA544

MPA640 (5.0 credit hours)

### **Pediatrics CR**

This is a required five-week clinical rotation conducted in outpatient and/or inpatient setting.

This rotation provides an examination of the child development from birth to adolescence. The well-child examination along with the recognition and management of common childhood illness as well as health maintenance, psycho-social and behavioral issues parent and patient education will be stressed. This rotation emphasizes the pathophysiology, evaluation, diagnosis and management of systemic diseases and surgical conditions unique to the clinical practice of Pediatrics. Inclusion of proper data collection through history and physical examination, formulation of accurate problem lists, thorough investigation and development of treatment plans utilizing evidence based medicine as determined by review and analysis of current medical literature. The course also includes assigned readings and exercises. Prerequisites: MPA500, MPA501, MPA502, MPA510, MPA511, MPA512, MPA513, MPA520, MPA522, MPA523, MPA524, MPA525, MPA526, MPA531, MPA532, MPA533, MPA534, MPA535, MPA538, MPA539, MPA540, MPA543, MPA544

MPA650 (5.0 credit hours)

### **Family Medicine CR**

This is a required five-week clinical rotation conducted in primarily an outpatient setting.

This rotation will entail integration of the biologic, psychiatric and social aspects of medicine with the practice of outpatient care for patients of all ages. Care of underserved, chronically ill, and medically vulnerable patient populations will be the center of focus. Students will integrate family systems theory with the practice areas of outpatient medicine, pediatrics, obstetrics and gynecology. This rotation emphasizes the pathophysiology, evaluation, diagnosis and management of systemic diseases and surgical conditions unique to the clinical practice of Family Medicine. Inclusion of proper data collection through history and physical examination, formulation of accurate problem lists, thorough investigation and development of treatment plans utilizing evidence based medicine as determined by review and analysis of current medical literature. The course also includes assigned readings and exercises. Prerequisites: MPA500, MPA501, MPA502, MPA510, MPA511, MPA512, MPA513, MPA520, MPA522, MPA523, MPA524, MPA525, MPA526, MPA531, MPA532, MPA533, MPA534, MPA535, MPA538, MPA539, MPA540, MPA543, MPA544

MPA660 (5.0 credit hours)

### **Psychiatry CR**

This is a required five-week clinical rotation conducted in both the inpatient and outpatient clinical setting. This supervised clinical rotation provides the student the opportunity to see a variety of patients with mental health problems. The Psychiatry rotation allows the student to experience assessing and counseling patients with a variety of behavioral and psychological conditions, as well as the opportunity to participate in treatment-plan formulation and exploration of social and community resources. This rotation emphasizes the pathophysiology, evaluation, diagnosis and management of systemic diseases and surgical conditions unique to the clinical practice of Psychiatry. Inclusion of proper data collection through history and physical examination, formulation of accurate problem lists, thorough investigation and development of treatment plans utilizing evidence based medicine as determined by review and analysis of current medical literature. The course also includes assigned readings and exercises. Prerequisites: MPA500, MPA501, MPA502, MPA510, MPA511, MPA512, MPA513, MPA520, MPA522, MPA523, MPA524, MPA525, MPA526, MPA531, MPA532, MPA533, MPA534, MPA535, MPA538, MPA539, MPA540, MPA543, MPA544.

MPA670 (5.0 credit hours)

### **Elective 1 CR**

This is a required five-week clinical rotation that allows the student the opportunity to either choose a new field of study or to explore and gain intensive experience in one of the core practice areas of medicine. The Physician Assistant Program must approve clinical rotation placements. This rotation emphasizes the pathophysiology, evaluation, diagnosis and management of systemic diseases and surgical conditions unique to the clinical practice of Medicine. Inclusion of proper data collection through history and physical examination, formulation of accurate problem lists, thorough investigation and development of treatment plans utilizing evidence based medicine as determined by review and analysis of current medical literature. The course also includes assigned readings and exercises. Prerequisites: MPA500, MPA501, MPA502, MPA510, MPA511, MPA512,

MPA680 (5.0 credit hours)

### **Elective 2 CR**

This is a required five-week clinical rotation that allows the student the opportunity to either choose a new field of study or to explore and gain intensive experience in one of the core practice areas of medicine. The Physician Assistant Program must approve clinical rotation placements. This rotation emphasizes the pathophysiology, evaluation, diagnosis and management of systemic diseases and surgical conditions unique to the clinical practice of Medicine. Inclusion of proper data collection through history and physical examination, formulation of accurate problem lists, thorough investigation and development of treatment plans utilizing evidence based medicine as determined by review and analysis of current medical literature. The course also includes assigned readings and exercises. Prerequisites: MPA500, MPA501, MPA502, MPA510, MPA511, MPA512, MPA513, MPA520, MPA522, MPA523, MPA524, MPA525, MPA526, MPA531, MPA532, MPA533, MPA534, MPA535, MPA538, MPA539, MPA540, MPA543, MPA544

## **PAGE 301, CYBER FORENSICS/INFORMATION SECURITY COURSE DESCRIPTIONS**

Insert the following before Dietetics and Nutrition:

### **CYBER FORENSICS/INFORMATION SECURITY**

#### **Bachelors of Science Degree Major Course Requirements**

ACG3024 (3.0 credit hours)

##### **Accounting for Non-Financial Managers**

Addresses the use of accounting information by non-financial managers. Topics include interpretation of accounting information and the language of financial accounting to effectively participate in activities such as planning, investment, control and managerial decision making.

BUL3130 (3.0 credit hours)

##### **Legal and Ethical Environment of Business**

Presents the ethical and legal issues of business including contracts, agency law and investor protection.

CIS4253 (3.0 credit hours)

##### **Ethics in Information Technology**

An introduction to the basic ethical precepts of the information professions and the importance of ethics. This course examines many ethical issues in IT such as computer and Internet crime, privacy, freedom of expression, intellectual property, and employer/employee issues.

CIS4365 (3.0 credit hours)

##### **Computer Security Policies and Disaster Preparedness**

Addresses computer security policies including specific plans for disaster preparedness in computing. Topics include professional responses to security breaches or destructive acts of nature. Students study existing policies and use and develop software for creating and tracking these policies and plans.

ISM3112 (3.0 credit hours)

##### **Systems Analysis**

Trains students to assume the role of a system analyst in a MIS organization. Students learn to recognize and identify problems and opportunities in a company which might benefit from the application of information technology. Once identified, a problem is investigated and thoroughly analyzed. A business justification for possible solutions is then performed and presented to management for approval. As a term project, students investigate a real problem in a community organization and recommend the best course of action.

CJL4133 (3.0 credit hours)

##### **Criminal Evidence and Procedures**

Expands courtroom strategies and techniques and examines real-life cases that have shaped criminal law and procedures in America today.

ISM4113 (3.0 credit hours)

##### **Systems Design**

Expands on ISM 3112 (Systems Analysis). Students are taught to design an information system for a company or agency of their choice. Students learn development methodologies such as Waterfall, Prototyping, RAD, Object-Oriented Design, and UML. Using the most appropriate methodology, a team designs system output, input,



processing and a database for the new system. Students create a design deliverable document and present their findings to management. Prerequisite: ISM 3112

CJE4692 (3.0 credit hours)

**Technology and Crime**

Examines technological innovations and their impact on crime and law enforcement. Topics include recent forensic improvements, surveillance and detection equipment, biometric devices, computer mapping and database tools, and a study of the Internet as a tool of both criminals and law enforcement.

CCJ4644 (3.0 credit hours)

**White-Collar and Economic Crime**

Examines corporate fraud, consumer scams, money laundering and other wide-reaching economic crimes. Topics include definitions of these crimes and methods used by law enforcement to combat them.

ISM4212 (3.0 credit hours)

**Database Management Systems**

Describes how data is created, stored, and manipulated in business using relational database management systems. Students become proficient at modeling databases at a conceptual and physical level of design and are able to develop database schemas that enforce data integrity. Students become knowledgeable in the creation, altering and manipulation of tables, indexes and views using relational algebra and SQL.

ISM4302 (3.0 credits hours)

**Information Technology Planning**

Reviews alternatives used by management and consulting firms to conduct an information systems strategic planning process. Key to the success of this process is an understanding of the current infrastructure, the culture of the organization, the desired future state as defined by senior executives and the road map to get there. Special emphasis is placed on the balanced scorecard strategic planning methodology as applied to an information technology function in an organization.

CFI4473 (3.0 credits hours)

**Digital Media Forensics:**

This course is an in depth treatment of hardware forensics. Topics will include data encoding schemes, hard disk geometry, forensically sound preview and data acquisition, bag and tag procedures, transportation and storage procedures, forensic imaging, file system analysis, data recovery and reporting, scripting, and cell phone forensics. Also included will be an exploration of techniques to search for and recover data including using existing forensics tools, manual examination and recovery of file system data using a hex editor, and programming custom utilities.

CFI4475 (3.0 credits hours)

**Network Forensics:**

This course deals with the collection, preservation, and analysis of network generated digital evidence such that this evidence can be successfully presented in a court of law (both civil and criminal). The relevant federal laws will be examined as well as private sector applications. The capture/intercept of digital evidence, the analysis of audit trails, the recordation of running processes, and the reporting of such information will be examined.

CFI4477 (3.0 credits hours)

**Computer System Forensic Analysis:**

This course introduces students to the collection, preservation, presentation and preparation of computer based evidence for the purposes of criminal law enforcement or civil litigation. Students will be prepared to assist in the formulation and implementation of organizational computer forensics preparedness policies, to determine the necessity for forensic procedures, extend governance processes to allow for proper future forensic investigations, and to be contributing members of computer forensics investigation teams.

CFI4479 (3.0 credits hours)

**Network Defense and Countermeasures:**

This course provides knowledge and the practical experience necessary to evaluate, implement and manage secure information transferred over computer networks. Topics include network security, intrusion detection, types of attacks, methods of attacks, security devices, basics of cryptography and organizational security elements.

**General Education Requirements**

See specific Lower and Upper Division general education requirements for a Bachelor of Science Degree in Cyber Forensics/Information Security in the Program Descriptions section of this catalog.

**PAGE 308, FORENSIC INVESTIGATIONS COURSE DESCRIPTIONS**

**FORENSIC INVESTIGATIONS**

**Bachelor of Science Degree**

**Major Course Requirements**

FSI3000 (3.0 credit hours)

**Forensic Investigations**

An introduction to forensic investigations and forensic sciences. Includes the organization, functions and services of a forensic science laboratory. Topics emphasize types of evidence typically encountered, collection, transportation and storage methods, standards and legal requirements for submission to a forensic laboratory and for presentation in legal proceedings.

FSI3100 (3.0 credit hours)

**Forensic Biology**

Presents the forensic value of handling, documenting, preserving, testing and analyzing biological evidence associated with deceased human beings. Topics include scientific methods for identifying the presence of blood, toxic substances and other bodily fluids at the scene or in the forensic laboratory. Includes methods used to establish time and manner of death. The course also addresses safety issues involved in handling biological evidence and legal and ethical issues associated with forensic science. Prerequisites: BSC 1010

FSI3100L (1.0 credit hour)

**Forensic Biology Laboratory**

This course consists of practical applications corresponding to theories and concepts presented in FSI3100 Forensic Biology.

FSI3200 (3.0 credit hours)

**Forensic Anthropology**

An introductory study of the application of the science of physical anthropology to the identification and recovery of human remains. Includes methods used to determine age, sex, height, ancestry of human skeletal remains as well as identification of trauma and disease affecting skeletal remains. Prerequisites: BSC 2085C, BSC 2086C and FSI 3000.

FSI3200L (1.0 credit hour)

**Forensic Anthropology Laboratory**

This course consists of practical applications corresponding to theories and concepts presented in FSI3200 Forensic Anthropology.

FSI3300 (3.0 credit hours)

**Forensic Chemistry**

Basic study of the application of chemistry to the analysis of physical evidence such as inks, paints, natural and artificial substances. Included are techniques used to identify controlled substances and toxic substances. Prerequisites: CHM 1045, CHM 1046 and FSI 3000.

FSI3300L (1.0 credit hour)

### **Forensic Chemistry Laboratory**

This course consists of practical applications corresponding to theories and concepts presented in FSI3300 Forensic Chemistry.

FSI3400 (3.0 credit hours)

### **Introduction to Criminalistics I**

A study of common methods used in the scientific analysis of organic and inorganic materials with concentrations on hairs, fibers, paint, glass, soil, firearms, bullets, tool marks and combustibles/explosives. Prerequisite: FSI 3000

FSI3400L (1.0 credit hour)

### **Introduction to Criminalistics I Laboratory**

This course consists of practical applications corresponding to theories and concepts presented in FSI3400 Criminalistics I.

FSI3450 (3.0 credit hours)

### **Introduction to Criminalistics II**

A study of common methods used in the scientific analysis of organic and inorganic materials with concentrations on toxicological substances, controlled substances, blood, and DNA. Prerequisite: FSI3400.

FSI3450L (1.0 credit hour)

### **Introduction to Criminalistics II Laboratory**

This course consists of practical applications corresponding to theories and concepts presented in FSI3450 Criminalistics II.

FSI4000 (3.0 credit hours)

### **Digital Imaging Processing**

A presentation of basic crime scene digital imaging processing and enhancement skills. Topics include single lens reflex digital camera operation in TIFF and RAW file formats. Students develop proficiencies in image capture and processing utilizing accepted techniques. This course includes presentation of demonstrative evidence in legal proceedings.

FSI4100 (3.0 credit hours)

### **Crime Scene Documentation**

This course emphasizes all components of proper documentation of forensic investigative activities, including detailed standardized and narrative reports regarding the application of specific methods and processes in the analysis of physical evidence and the results obtained.

FSI4200 (3.0 credit hours)

### **Unusual Crime Scenes**

This course focuses on special procedures required at unusual crime scenes. Topics include scenes involving arson, hazardous materials, explosives, mass casualties, animals, submerged evidence, etc. Prerequisite: FSI 3000

FSI4300 (3.0 credit hours)

### **Elements of Proof**

An introduction to substantive criminal law with emphasis on elements of proof associated with offenses against persons and property. Topics include study of selected opinions from federal and state courts interpreting criminal statutes. Topics include study of selected opinions from federal and state courts interpreting criminal statutes.

FSI4400 (3.0 credit hours)

**Court Procedure and Evidence**

An introduction to criminal procedure with concentration on the law of evidence in criminal legal proceedings especially that involved with the introduction of demonstrative evidence. Topics include study of selected opinions from federal and state appellate courts interpreting the 4<sup>th</sup>, 5<sup>th</sup> and 14<sup>th</sup> amendments to the U.S. Constitution and the burdens faced by the party that has the burden of proof (and defense) in a criminal trial.

FSI4500 (3.0 credit hours)

**Presentation of Evidence**

This course presents technical information on presenting ordinary and expert witness testimony under the Federal Rules of Evidence and the rules of evidence for the State of Florida in pre-trial and trial legal proceedings. Included is preparing for the presentation of physical and demonstrative evidence. Topics include study of selected opinions from federal and state appellate courts relating to the qualification and admission of testimony from ordinary and expert witnesses.

FSI4600 (3.0 credit hours)

**Crime Scene Analysis**

A review of all phases of identification, collection, preservation and analysis of physical evidence. Includes methods of deductive and inductive reasoning relative to the evaluation of information provided by physical evidence (“connecting-the dots”). Prerequisite: FSI 3000, FSI 3400 & FSI3450.

FSI4940 (4.0 credit hours)

**Forensic Investigations Externship I**

This course is designed to introduce students to the practical working conditions of the field forensic investigator/forensic identification specialist. Students will learn and demonstrate competency in handling the administrative and practical aspects of field investigative work. Students will demonstrate continued competency in administrative and investigative skills by classroom testing twice throughout the one month externship period. Prerequisite: Successful completion of: 32 Hours of Upper Division Courses.

FSI4950 (4.0 credit hours)

**Forensic Investigations Externship II**

This course is intended for students to experience advanced stages of the forensic investigative process to include, but not limited to, observing preparations for and appearances in legal proceedings by forensic investigative personnel, as well as procedures employed in the preservation and storage of physical evidence. Students will demonstrate competency in the above aspects of investigative work. Student will also demonstrate continued competency in investigative and administrative skills by classroom testing twice throughout the one month externship period. Prerequisite: Successful completion of: FSI4900.

**PAGE 321, BS NURSING PROGRAM COURSE DESCRIPTIONS**

Replace this section with the following course descriptions:

**NURSING**

**Bachelor of Science Degree**

**Major Course Requirements**

NUR3065 (3.0 credit hours)

**Physical Assessment in Healthcare**

This course introduces the knowledge and skills necessary to systematically and accurately assess health status of clients. Topics include completion of a health database, communication skills, development of nursing diagnosis and body systems assessment. Cultural and sociological influences are explored. Analysis of data provide a foundation for the formulation of nursing diagnoses.

NUR3126 (3.0 credit hours)

**Pathophysiology I**

This course includes (1) pathophysiologic alterations in the biologic and psychologic subsystems and their effects; (2) diagnostic procedures; (3) nursing therapies related to various conditions; and (4) examination of non-pathologic alterations of the human systems, such as pregnancy, and their effects on an individual. Major systems/diagnostic categories include immune, hematologic, fluid/ electrolyte/acid-base, gastrointestinal, cardiovascular and respiratory.

NUR3127 (3.0 credit hours)

**Pathophysiology II**

This course includes (1) pathophysiologic alterations in biologic and subsystems (2) diagnostic procedures; (3) nursing therapies related to various conditions; and (4) examination of non-pathologic alterations of the human systems, such as pregnancy, and their effects on an individual. Major systems/disorder categories addressed are renal, neurological, endocrine, reproductive, musculoskeletal and dermatologic. Prerequisite: NUR3126.

NUR3516 (3.0 credit hours)

**Crisis Intervention**

This course focuses on crisis intervention in the context of nursing practice. Areas addressed include the following: (1) theories of crisis; (2) characteristics and classification of crises; (3) common maturational and situational crises; (4) stages in various types of crises; (5) physiological, cognitive and psychosocial responses to crises; (6) traditional and innovative crisis intervention methods; and (7) national resources for intervention.

NUR3655 (3.0 credit hours)

**Transcultural Factors in Healthcare Delivery**

This course presents a comparative analytical approach to the study of communication, current problems, issues, health care beliefs, values, and practices of different systems and cultural norms as they affect healthcare practices which conflict with ethnic or cultural communication related to standards and value systems.

NUR3805 (3.0 credit hours)

**Nursing Role and Scope**

This course presents concepts and theories in nursing that have helped to shape the nursing profession since its inception. The emphasis is on professional values as a base of nursing practice.

NUR3826 (3.0 credit hours)

**Ethical and Legal Aspects of Nursing Practice**

This course introduces contemporary bioethical and legal issues confronting healthcare providers in a variety of settings. Topics focus on identification of legal and ethical principles underlying the decision-making process in nursing and healthcare.

NUR4165 (3.0 credit hours)

**Nursing Research**

This course presents the history of nursing research, research methods and processes and the relationship between theory development and research. Topics include analysis of research applications and preparation of research reports. Prerequisite: STA3143

NUR4286 (3.0 credit hours)

**Nursing and the Aging Family**

Utilizing a holistic perspective, this course explores the older adult family, the aging process, client responses, adaptive behaviors and nursing needs.

NUR4636 (3.0 credit hours)

**Community Nursing I**

This course is designed to teach adaptive responses of client groups. Students assess the community and its healthcare delivery systems. They learn epidemiology, biostatistics and social structures within a community,

including family structures. The role of a nurse in dealing with family crises, gerontological problems, child-bearing, child-rearing families, and medical-surgical conditions are covered. The course includes a clinical component that involves assignment to community settings with preceptor supervision. Major areas of emphasis in this course include the context for community health nursing; community health nursing and its theoretical foundation; processes used in community nursing.

NUR4637 (3.0 credit hours)

### **Community Nursing II**

This course is designed to teach adaptive responses of client groups. Research on community nursing and its application to selected groups of clients within the community is presented. Historical, legal, ethical, and economic issues affecting adult and gerontological nursing is discussed. The course includes a clinical component that involves assignment to community settings with preceptor supervision. Major areas of emphasis in this course include the context for community health nursing; community health nursing and its theoretical foundation; processes used in community nursing. Prerequisite: NUR4636

NUR4817 (3.0 credit hours)

### **Nursing Roles Practicum**

This capstone course supports the students' synthesis of theories and concepts incorporated throughout the curriculum with application to a selected area of nursing practice directed toward professional role development. The course includes a clinical component involving assignment to a clinical practice setting with preceptor supervision and faculty direction. Prerequisite: Completion of 36 credits of upper division nursing major courses

NUR4827 (3.0 credit hours)

### **Nursing Leadership and Management**

This course covers leadership and management concepts for nursing. Topics include leadership styles, decision making, planned change, conflict, conflict resolution strategies, communication and evaluation. Prerequisite: Completion of 36 credits of upper division nursing major courses

NUR4870 (3.0 credit hours)

### **Nursing Informatics**

This course focuses on a conceptual foundation for understanding nursing informatics and includes analysis of various applications of information systems within the context of the healthcare system. Elements covered include theoretical models of nursing informatics; healthcare computing; information processing and data management; data acquisition and data representation; nursing vocabularies and nursing knowledge representation; managing organizational change; ethical and social issues in healthcare informatics; consumer informatics.

## **PAGE 358, COURSE DESCRIPTIONS, DIAGNOSTIC MEDICAL SONOGRAPHY**

Replace this section with the following:

### **DIAGNOSTIC MEDICAL SONOGRAPHY**

#### **Associate of Science Degree**

#### **Major Course Requirements**

SON1000C (5.0 credit hours)

#### **Introduction to Diagnostic Medical Sonography**

Introduces the role of diagnostic medical sonographers and technical aspects of diagnostic medical ultrasound. Topics include information related to medical terminology, the healthcare industry, patient care and medical ethics and law.

SON1100C (5.0 credit hours)

#### **Practical Aspects of Sonography**

Introduces ultrasound scanning principles and protocols. Topics include scanning criteria and standardization of image documentation for physician interpretation, as well as normal anatomy, physiology and sonographic appearance of the abdomen, OB/GYN and vascular structures. Prerequisite SON 1614C

SON1113C (5.0 credit hours)

**Cross-Sectional Anatomy**

Presents cross sectional anatomical relationships and recognition of structures of the head, neck, thorax, abdomen, pelvis, and extremities in transverse, coronal and sagittal section. Prerequisite SON 1000C

SON1614C (5.0 credit hours)

**Acoustic Physics and Instrumentation**

Presents in-depth training in the properties of ultrasound and Doppler physics, instrumentation, equipment operation, display systems, recording devices, image artifacts, biological effects of ultrasound and quality assurance methods. Prerequisite SON 1000C

SON1804 (2.5 credit hours)

**Clinical Rotation I**

Assigns students to local medical facilities for clinical education, providing them an opportunity to apply knowledge and skills learned in SON 1100C (Practical Aspects of Sonography) and SON 2111C (Abdominal Sonography) and to acquire other skills necessary to the profession of diagnostic medical sonography. Prerequisite SON 2111C

SON1814 (2.5 credit hours)

**Clinical Rotation II**

Assigns students to local medical facilities for clinical education, providing them an opportunity to apply knowledge and skills learned in SON 2111C (Abdominal Sonography) and SON 2120C (OB/GYN Sonography) and to acquire other skills necessary to the profession of diagnostic medical sonography. Prerequisite SON 1804

SON1824 (2.5 credit hours)

**Clinical Rotation III**

Assigns students to local medical facilities for clinical education, providing them an opportunity to apply knowledge and skills learned in SON 1814 (Clinical Rotation II) and to acquire other skills necessary to the profession of diagnostic medical sonography. Prerequisite SON 1814

SON2009C (5.0 credit hours)

**Diagnostic Medical Sonography Review**

Addresses issues that facilitate a graduate's entry into the career of sonography. Topics include resumé writing and job interviewing, test taking strategies, registry examination preparation and comprehensive review of content specific to registry examinations. Prerequisite SON 2854

SON2111C (5.0 credit hours)

**Abdominal Sonography**

Presents cross-sectional anatomy of the abdomen, normal and abnormal sonographic findings of the intra-abdominal organs, peritoneal spaces and retroperitoneal structures. The relationship of abnormal findings to patient history, physical examination and laboratory findings are stressed. Prerequisite SON 1100C

SON2120C (5.0 credit hours)

**OB/GYN Sonography I**

Presents cross sectional anatomy of the female pelvis, normal and abnormal sonographic features of the non gravid pelvis, as well as normal and abnormal anatomy of the first trimester. Embryology, early fetal development and the relationship of abnormal findings of the patient history, physical examination and laboratory findings are emphasized. Prerequisite SON 1804

SON2122C (5.0 credit hours)

**OB/GYN Sonography II**

Presents normal and abnormal anatomy and sonographic features of the second and third trimester pregnancies. The relationship of patient history, physical examination, and laboratory findings with abnormal fetal and maternal findings is emphasized. Prerequisite SON 2120C

SON2150C (5.0 credit hours)

**Ultrasound of Superficial Structures and Neonatal Brain**

Presents normal and abnormal sonographic features of the neck, breast, prostate, scrotum and superficial structures. Topics include imaging of the neonatal brain, related cross-sectional anatomy, and the relationship of sonographic findings to patient history, physical examination and laboratory findings. Prerequisite SON 1824

SON2171C (5.0 credit hours)

**Introduction to Vascular Sonography**

Provides an introduction to vascular anatomy, vascular physics and instrumentation, hemodynamics and pathological patterns. Topics include Doppler scanning of cerebrovascular and peripheral vascular systems. Prerequisite SON 2844

SON2834 (2.5 credit hours)

**Clinical Rotation IV**

Assigns students to local medical facilities for clinical education, providing them an opportunity to apply knowledge and skills learned in SON 2150C (Ultrasound of Superficial Structures and Neonatal Brain) and to acquire other skills necessary to the profession of diagnostic medical sonography. Prerequisite SON 1824

SON2844 (2.5 credit hours)

**Clinical Rotation V**

Continues SON 2834 (Clinical Rotation IV) by providing students with opportunities to apply knowledge and skills learned in SON 2834 (Clinical Rotation IV) and to acquire other skills necessary to the profession of diagnostic medical sonography. Prerequisite SON 2834

SON2854 (2.5 credit hours)

**Clinical Rotation VI**

Assigns students to local medical facilities for clinical education, providing them an opportunity to apply knowledge and skills learned in SON 2171C (Introduction to Vascular Sonography) and to acquire other skills necessary to the profession of diagnostic medical sonography. Prerequisite SON 2171C

**PAGE 361, COURSE DESCRIPTIONS, DIAGNOSTIC VASCULAR SONOGRAPHY**

Replace this section with the following:

**DIAGNOSTIC VASCULAR SONOGRAPHY**

**Associate of Science Degree**

**Major Course Requirements**

SON1000C (5.0 credit hours)

**Introduction to Diagnostic Medical Sonography**

Introduces the role of diagnostic medical sonographers and technical aspects of diagnostic medical ultrasound. Topics include information related to medical terminology, the healthcare industry, patient care and medical ethics and law.

SON1100C (5.0 credit hours)



**Practical Aspects of Sonography**

Introduces ultrasound scanning principles and protocols. Topics include scanning criteria and standardization of image documentation for physician interpretation, as well as normal anatomy, physiology and sonographic appearance of the abdomen, OB/GYN and vascular structures. Prerequisite: SON1614C

SON1113C (5.0 credit hours)

**Cross-Sectional Anatomy**

Presents cross sectional anatomical relationships and recognition of structures of the head, neck, thorax, abdomen, pelvis, and extremities in transverse, coronal and sagittal section. Prerequisite: SON1000C

SON1614C (5.0 credit hours)

**Acoustic Physics and Instrumentation**

Presents in-depth training in the properties of ultrasound and Doppler physics, instrumentation, equipment operation, display systems, recording devices, image artifacts, biological effects of ultrasound and quality assurance methods. Prerequisite: SON1000C

SON1805 (2.5 credit hours)

**Vascular Clinical Rotation I**

Assigns students to area medical facilities for clinical education, providing them an opportunity to apply knowledge and skills learned in Son 2170C ( Hemodynamics and Cerebrovascular Sonography) and to acquire other skills necessary in the profession of vascular sonography. Prerequisite: SON 2170C

SON1815 (2.5 credit hours)

**Vascular Clinical Rotation II**

Assigns students to area medical facilities for clinical education, providing them an opportunity to apply knowledge and skills learned in SON2170C (Hemodynamics and Cerebrovascular Sonography) and SON2175C (Peripheral Vascular Sonography) and to acquire other skills necessary in the profession of vascular sonography. Prerequisite: SON2175C

SON1825 (2.5 credit hours)

**Vascular Clinical Rotation III**

Assigns students to area medical facilities for clinical education, providing them an opportunity to apply knowledge and skills learned in SON1815 (Clinical Rotation II) and to acquire other skills necessary in the profession of vascular sonography. Prerequisite: SON1815

SON2170C (5.0 credit hours)

**Hemodynamics and Cerebrovascular Sonography**

Emphasizes the principles and procedures involved in transcranial and extracranial sonography. Topics include vascular physics and instrumentation, hemodynamics and pathological patterns, spectral analysis, color Doppler, pulsed and continuous wave Doppler. The relationship of abnormal sonographic findings to patient history, physical examination and laboratory findings are emphasized. Prerequisite: SON1100C

SON2175C (5.0 credit hours)

**Peripheral Vascular Sonography**

Provides in-depth knowledge of peripheral arterial disease and peripheral venous disease. Non-invasive testing of the upper and lower extremity vessels and disease processes are studied including plethysmography, duplex, pulsed and continuous wave Doppler. The relationship of abnormal sonographic findings to patient history, physical examination and laboratory findings are emphasized. Prerequisite: SON2170C

SON2176C (5.0 credit hours)

**Abdominal Vascular Sonography**

Presents abdominal vascular anatomy, physiology and varied vascular pathologies. The relationship of abnormal sonographic findings to patient history, physical examination and laboratory findings are emphasized. Topics

include test validation, quality assurance, vascular laboratory accreditation and advanced imaging techniques. Prerequisite: SON 1825

SON2179 (5.0 credit hours)

**Vascular Sonography Review**

Addresses issues that facilitate a graduate's entry in the career of sonography. Topics include resume writing and job interviewing, test-taking strategies, registry examination preparation and comprehensive review of content specific to the registry examinations. Prerequisite: SON2855

SON2400C (5.0 credit hours)

**Introduction to Echocardiography**

Introduces cardiac anatomy, physiology, pathophysiology of the adult heart, B-Mode, M-mode and Doppler testing in the detection of normal and disease states. Prerequisite: SON2835

SON2835 (2.5 credit hours)

**Vascular Clinical Rotation IV**

Assigns students to area medical facilities for clinical education, providing them an opportunity to apply knowledge and skills learned in SON2176C (Abdominal Vascular Sonography) and to acquire other skills necessary in the profession of vascular sonography. Prerequisite: SON2176C

SON2845 (2.5 credit hours)

**Vascular Clinical Rotation V**

Assigns students to area medical facilities for clinical education, providing them an opportunity to apply knowledge and skills learned in SON2176C (Abdominal Vascular Sonography) and to acquire other skills necessary in the profession of vascular sonography. Prerequisite: SON 2835

SON2855 (2.5 credit hours)

**Vascular Clinical Rotation VI**

Assigns students to area medical facilities for clinical education, providing them an opportunity to apply knowledge and skills learned in SON2176C (Abdominal Vascular Sonography) and SON2400C (Introduction to Echocardiography) and to acquire other skills necessary in the profession of vascular sonography. Prerequisite: SON2845

SON2865 (2.5 credit hours)

**Vascular Clinical Rotation VII**

Assigns students to area medical facilities for clinical education, providing them an opportunity to apply knowledge and skills learned in SON2176C (Abdominal Vascular Sonography) and SON2400C (Introduction to Echocardiography) and to acquire other skills necessary in the profession of vascular sonography. Prerequisite: SON2855

**Lower Division General Education Requirements**

See specific Lower Division general education requirements for an Associate of Science degree in Diagnostic Vascular Sonography in the [Program Descriptions](#) section of this catalog.

**PAGES 382-383, AS MEDICAL ASSISTING COURSE DESCRIPTIONS**

Replace these sections with the following:

MEA2806 (3.5 credit hours)

**Externship I**

Provides an opportunity for students to demonstrate competency in administrative and clinical aspects of medical assisting during an assignment in a healthcare facility. The externship introduces medical assistants to the working environment they encounter when employed in the field. Prerequisite successful completion of major academic courses (MEA1206C, 1267C and 2268C must be completed with a grade of "C" or higher)

MEA2807 (3.5 credit hours)

**Externship II**

Provides an opportunity for students to demonstrate competency in administrative and clinical aspects of medical assisting during an assignment in a healthcare facility. The externship introduces medical assistants to the working environment they encounter when employed in the field. Prerequisite successful completion of major academic courses (MEA1206C, MEA1267C and MEA2268C must be completed with a grade of “C” or higher)

**PAGE 388, AS NURSING COURSE DESCRIPTIONS**

Please replace this section with the following:

**NURSING**

**Associate of Science**

**Major Course Requirements**

NUR1022C (8.0 credit hours)

**Fundamentals of Nursing**

Provides a foundation for the nursing program. Introduces the history and practice of nursing, including standards of nursing practice and concepts basic to nursing that are applied throughout the curriculum. Critical thinking as embodied in the nursing process is emphasized, including in-depth study in a classroom setting and application in skills laboratories and clinical settings. Normal functional health patterns are explored in the context of the physical, biological and social sciences. Laboratory components include practice in basic nursing assessment skills, such as completion of health history and physical assessment techniques and common nursing skills that support basic human needs. Principles of safety, asepsis and infection control are emphasized throughout. Opportunities for application of basic nursing skills clinical experiences are provided in ambulatory and long term health care settings.

NUR1140C (4.0 credit hours)

**Nursing Pharmacology**

Presents essential concepts and principles of pharmacology as applied to nursing practice. Emphasis is on application of the nursing process to the care of clients receiving pharmaceutical agents. The knowledge and skills required for safe, effective administration of therapeutic drugs are an integral part of this course. The course contains a number of critical skills related to dosage calculation and medication administration.

NUR1211C (8.0 credit hours)

**Basic Adult Healthcare**

Focuses primarily on basic medical-surgical nursing care of adults who are acutely or chronically ill. The course builds upon learned concepts and skills introduced in prerequisite nursing and general education courses. A continuation of dosage calculations is evident. The patho-physiologic basis for diseases along with the client’s adaptive responses are explored and discussed. Secondary/acute care settings, particularly hospitals, are utilized in this course.

NUR2230C (8.0 credit hours)

**Advanced Adult Healthcare**

Continues NUR1211C (Basic Adult Health Care). Builds upon the knowledge and skills acquired in this course, including continued integration of the concepts central to the practice of nursing. A continuation of dosage calculation is emphasized. Didactic and clinical content related to complex concepts and skills associated with medical-surgical and mental health nursing are presented within the framework of the nursing process. Mental health nursing components include the further development of student communication skills, and conceptual abilities as related to the dynamics of human behavior and therapeutic responses. Secondary and tertiary care settings are primarily utilized for clinical experiences, including general/acute care hospitals, psychiatric hospitals and community mental health centers.

NUR2421C (4.0 credit hours)

**Maternity Nursing Care**

Focuses primarily on maternity nursing care, with exposure to common problems associated with the health of mother, newborn and family. Concepts and skills learned in NUR1211C are integral to this course, with emphasis on developmental theories as they relate to the care of the family unit. Dosage calculations related to maternity care are emphasized. Primary, secondary and tertiary care settings may be utilized for clinical experiences, including outpatient care and hospitals.

NUR2310C (4.0 credit hours)

### **Pediatric Nursing**

Focuses primarily on the interrelated dynamics of pediatric families; with exposure to common recurring and complex problems associated with the health of the pediatric client/patient within the family unit. Concepts and skills presented in NUR1022 and NUR1211C are integral to this course, with emphasis on developmental theories as they relate to the care of children. Dosage calculations related to pediatric clients are emphasized. Primary, secondary and tertiary care settings may be utilized for clinical experiences, including outpatient care, hospitals and pediatric programs (which may include outpatient, inpatient and community care).

NUR2823C (3.0 credit hours)

### **Nursing Leadership and Management**

Requires students to utilize knowledge and skills acquired in previous nursing courses in the context of leading a healthcare team in caring for a group of patients. Didactic and clinical content includes such areas as the development of first-line management and leadership skills in the context of the organizational structure; collaborative decision-making; prioritization and time management. A continuation of dosage calculation is evident. Clinical experiences may include secondary and tertiary care settings such as hospitals and long term care.

NUR2811C (3.0 credit hours)

### **Nursing Practicum**

Enables students to independently demonstrate the critical competencies expected of the entry-level associate degree nurse. Classroom content relates to the preparation of the student for assuming the role of professional nurse. The clinical component is an individualized experience of general or specific interest proposed by the student and selected in collaboration with faculty and an RN preceptor. Individualized goals and objectives are developed, with ongoing supervision of progress by faculty and the RN preceptor. A continuation of dosage calculation is evident.

### **Lower Division General Education Requirements**

See specific Lower Division general education requirements for an Associate of Science degree in [Nursing](#) in the [Program Descriptions](#) section of this catalog.

## **PAGE 394, PHYSICAL THERAPIST ASSISTANT COURSE DESCRIPTIONS**

### **PHYSICAL THERAPIST ASSISTANT**

#### **Associate of Science Degree**

#### **Major Course Requirements**

PHT1000C (5.0 credit hours)

### **Introduction to Physical Therapist Assistant**

Provides an introduction to the physical therapy profession with an emphasis on the role and scope of practice of the physical therapist assistant. Topics include: Standards of Practice, Code of Ethics, Guide for Conduct of the PTA, physical therapy departmental structure, psychosocial, cultural and socioeconomic considerations in patient interaction, reimbursement issues, legislative issues, research and current developments in the field. This course also studies anatomical terminology, the skeletal system including the structure and function as well as physiology, joint articulations, and the muscular and nervous systems. Prerequisites: Admission to the PTA Program and successful completion of general education requirements with a cumulative GPA of 3.0 on a 4.0 scale and earned a minimum of a B in both Anatomy and Physiology I and II.

PHT1300 (6.0 credit hours)

### **Medical Diseases**

Surveys the disease processes with an emphasis on diseases commonly seen in physical therapy. Topics include: the immune system, genetic disorders, infections, metabolic disorders, neoplasms, respiratory system, cardiovascular system, gastrointestinal system, hepatobiliary system, endocrine system, nervous system, musculoskeletal system, excretory system, integumentary system, reproductive system and psychiatric disorders. This course also provides an introduction to basic medical terminology with certification in CPR, OSHA/HIV, and Medical errors earned upon the course completion. Prerequisite: PHT1000C

PHT1121C (4.0 credit hours)

**Kinesiology**

Provides an in-depth study of the musculoskeletal system emphasizing its effect on functional human motion. Emphasis is on normal function. Students will apply biomechanical principles and muscle actions to joint motions and will learn normal aspects of gait and posture. Prerequisite: PHT1300

PHT1251C (4.0 credit hours)

**Patient Care Procedures**

Focuses on the development of basic physical therapy skills and procedures. Emphasis is on the patient, environmental safety, positioning, transfers, wheelchair management, vital signs, goniometry, gait training with assistive devices, body mechanics, intermittent compression, biofeedback, and clinical documentation. Prerequisite: PHT1121C

PHT1261C (4.0 credit hours)

**Tests and Measurements**

Focuses on skills necessary to perform physical therapy test and measurement procedures. Emphasis is on manual muscle testing, muscle tone, muscle length, limb length, volume and girth, sensation, coordination and balance, activities of daily living, architectural barriers, pain, reflexes, gait and posture. In addition, theories of development and developmental sequence, prehension, life span changes in the body systems, posture development throughout the life span, primitive reflexes, righting reactions. Prerequisite: PHT1251C

PHT1213C (4.0 credit hours)

**Fundamental Modalities**

Focuses on the knowledge and skills necessary for applying modalities used in physical therapy treatment. Emphasis is on superficial and deep heat, cryotherapy, massage, electrotherapy, massage, and traction. Prerequisite: PHT1261C

PHT1227C (2.0 credit hours)

**Therapeutic Exercise I**

Focuses of the study of therapeutic exercise techniques and procedures. Emphasis is on various techniques used for strengthening, stretching, ROM, endurance and the associated body mechanics. Specific exercises will then be applied to the upper extremity. Prerequisite: PHT2801

PHT1228C (4.0 credit hours)

**Therapeutic Exercise II**

Focuses on the study of therapeutic exercise techniques and procedures. Students will apply concepts presented in Therapeutic Exercise I to this course. Emphasis is on therapeutic exercises for orthopedic, vascular, cardiac, pulmonary, and obstetric patients. Prerequisite: PHT1227C

PHT2144C (4.0 credit hours)

**Rehabilitation**

Provides an opportunity to develop knowledge and skills in the rehabilitation procedures and techniques utilized with various neurological diagnoses. Topics include neurological principles and neuro-rehabilitation as well as rehabilitation techniques and concepts utilized with amputations, prosthetics and orthotics. In addition, pediatric diagnoses and treatment will be reviewed. Prerequisite: PHT1228C

PHT2801 (1.0 credit hour)

**Clinical Experience I**

A two-week (40 hours per week) clinical experience providing the student with the opportunity to practice skills taught in previous course work. The student will work under the direct supervision of and with the assistance of the clinical instructor at the assigned facility. 80 hours of clinical experience in an assigned facility. Prerequisite: PHT1212C

PHT2810 (5.0 credit hours)

**Clinical Experience II**

A six-week (40 hours per week) clinical experience providing an opportunity for the student to apply knowledge and skills from all previous academic and clinical education, under the supervision of a clinical instructor at an assigned facility. Prerequisite: PHT2708C

PHT2820 (5.0 credit hours)

**Clinical Experience III**

A six-week (40 hours per week) clinical experience that allows the student to develop competency in the practice of physical therapy technique and procedures, under the supervision of a clinical instructor at an assigned facility. Students in this course are preparing themselves to function as entry-level physical therapist assistants. Prerequisite: PHT2810A/B.

**Lower Division General Education Requirements**

See specific Lower Division general education requirements for an Associate of Science degree in Physical Therapist Assistant in the Program Descriptions section of this catalog.

**PAGE 420, ESOL COURSE COURSE DESCRIPTIONS**

Amend the course descriptions for these four courses as follows:

**ENGLISH**

[PLEASE NOTE: **ESOL courses are not transferable and do not constitute credit toward meeting graduation requirements.**]

EAP0108 (3.0 credit hours)

**ESOL Level 1**

This course is for Basic English Level 1 students starting with either no or very little English and is presented in a blended learning format. Students will build grammar, listening, and reading and writing skills at the beginner level. Students will engage in classroom activities with peers and the teacher, in technology-enhanced learning, and in simulations. The topics covered in the course are: alphabet, numbers, dates, commands, meet someone new, introduce yourself and others, meet someone you know, animals, food, talk about family, talk about hobbies and interests, talk about routines. Prerequisite: Placement test score

EAP0208 (3.0 credit hours)

**ESOL Level 2**

This course is for Basic English Level 2 students starting with elementary English skills and is presented in a blended learning format. Students will develop grammar, listening, reading and writing, and comprehension skills at an expanded Basic English skills level. Students engage in classroom activities with peers and the teacher, in technology-enhanced learning, and in simulations. The topics covered in the course are: weather, describe exteriors, describe interiors, body, describe people, talk about occupations, talk about places, make an appointment, make and receive phone calls ask and give directions. Prerequisite: Successful completion of Level 1 or placement test score

EAP0308 (3.0 credit hours)

**ESOL Level 3**

This course is for Intermediate English Level 3 students starting with high beginner English skills and is presented in a blended learning format. Students will develop grammar, listening, reading and writing, and comprehension skills at an expanded Intermediate English level. Students engage in classroom activities with peers and the teacher, in technology-enhanced learning, and in simulations. The topics covered in the course are: manage a conversation, get people’s attention, interrupt, apologize, agree and disagree, make invitations, make plans, give instructions, tell about the past, tell about the future, describe a place, compare objects, compare people. Prerequisite: Successful completion of Level 2 or placement test score

EAP0408 (3.0 credit hours)

**ESOL Level 4**

This course is for Intermediate English Level 4 students who have a lower intermediate mastery of English. This course is presented in a blended learning format. Students will develop grammar, listening, reading, writing, and comprehension skills at a high intermediate level. Students engage in classroom activities with peers and the teacher, in technology enhanced learning, and in simulations. The topics covered in the course are: tell about customs, make a complaint, tell a story, support an opinion, give advice, compare places, state advantages and disadvantages, and describe an event. Prerequisite: Successful completion of Level 3 or placement test score

**PAGE 427, GENERAL EDUCATION COURSE DESCRIPTIONS**

Replace HUN3107 with the following:

HUN3107 (3.0 credit hours)

**Nutrition**

This course presents essentials of normal nutrition and their relationship to the health of individuals and families. These concepts serve as a basis for the development of an understanding of therapeutic application of dietary principles and a nurse’s role and responsibility in this facet of patient care.

**PAGE 430, REQUIREMENT FOR GRE/MAT SCORES MAY BE WAIVED**

Replace the fourth bullet with the following text:

- Completion of the first semester of enrollment with a minimum grade average of 3.0

**PAGE 436, COSTS OF DOCTORAL DEGREE PROGRAMS**

Replace the table with the following:

**Initial Fees**

Application Fee (one-time charge, non-refundable)	\$ 50.00
Registration Fee (one-time charge, non-refundable)	\$ 145.00

**Tuition per Semester\***

Full Time	6 to 12 credits	\$8,904.00
Half Time	1 to 5.99 credits	\$4,452.00
Dissertation Full Time	3 hours	\$4,452.00

**Education Fee per Semester\*\***

Day, Evening and Weekend	\$ 600.00
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**Other Fees**

Withdrawal Fee	\$ 100.00
Re-Entry Fee	\$ 150.00
Residency Fee	\$1200.00

Textbooks average \$600.00 per semester

### **PAGE 438, GRADUATE SATISFACTORY ACADEMIC PROGRESS**

Replace the first two paragraphs with the following:

Graduate students at Keiser University are expected to maintain satisfactory academic progress and to make ongoing progress toward graduation. There are two standards that must be met: a qualitative standard and a quantitative standard.

The qualitative standard requires that a student achieve a minimum grade average of 3.0 after completing every semester at Keiser University. All students must achieve a minimum grade average of at least 3.0 in order to graduate from Keiser University.

### **PAGE 439, SCHEDULE CHANGES**

Replace this section with the following:

Students who register for a class that is canceled or have scheduling errors are given schedule change assistance by the Advisor, Department Chair or the Dean of the Graduate School. Dates and times for schedule changes are posted as far in advance as possible.

### **PAGES 443–451, ADMINISTRATION, FACULTY, AND STAFF—OFFICE OF THE CHANCELLOR**

Update titles for administrative staff as follows:

#### **Associate Vice Chancellor of Military Affairs**

Jan Del Signore  
MS University of La Verne  
BS Mount Olive College

Benjamin Williams, Assistant Associate Vice Chancellor of Library System  
Arthur Ortiz, Assistant Associate Vice Chancellor of Institutional Projects  
Christopher Stabile, Assistant Associate Vice Chancellor of the Center for Teaching and Learning  
David Kreitner, Assistant Associate Vice Chancellor of Quality Enhancement and Compliance  
Michael Record, Assistant Associate Vice Chancellor of the Writing Center

### **PAGE 467, ADMINISTRATION, FACULTY, AND STAFF—PHYSICIAN ASSISTANT FACULTY**

Replace this section with the following:

#### **Program Director**

Helen Martin, DHSc, MMS, PA-C, MT, ASCP  
DHSC – Nova Southeastern University,  
M.M.S – Nova Southeastern University,  
B.S. PA – Nova Southeastern University,  
B.S. M.T – Louisiana State University

Adrian Andrews, MPAS, PA-C  
MPAS – University of Nebraska Medical Center  
BS – State University of New York Downstate

Ilissa Jackson, MCMS, PA-C



M.C.M.S Barry University  
B.S. W. FAU

Zachary Lahlou  
M.D. American University  
M.B.A. San Francisco State University  
B.A. University of Ottawa

Thao Tran  
M.D. University of Minnesota Medical School  
B.S. California State Polytechnic University

Joyce Wagner, MCMS, PA-C  
M.C.M.S. Barry University  
M.B.A. University of Miami

**Administrative Assistant**  
Nikki Merrell

## **PAGE 542, GRADUATE SCHOOL TERM CALENDAR 2011**

Replace Semester I with the following:

### **Term Calendar 2011**

#### **Semester I**

<b>01/01/11</b>	<b>New Years Day</b>
01/03/11-02/26/11	Term A Classes Begin
<b>01/17/11</b>	<b>Martin Luther King Jr. Day</b>
01/18/11	Return
02/21/11	<b>President's Day</b>
02/22/11	Return
02/28/11-04/23/11	Term C Classes Begin
<b>04/24/11-04/29/11</b>	<b>Spring Break</b>