

Minutes
Faculty Senate Meeting
September 24, 2015

- I. Chair Flannagan called the meeting to order at 3:46 PM**
Senators Present: Buck, Burke, Camper, Cintron-Gonzalez, Cox, Doucet, Engelhardt, Flowers, Fries, Gourley, Gunther, Jeffcoat, Johnston, Kiely, Lasher, Lundberg, Nagata, Newman, Ramey, Reynolds, Varazo
Also Present: Flannagan (chair)
Senators Absent: Carpenter, Cox, Gittings (excused), Hopla (excused), Sargent (excused)
- II. The minutes from the April 14, 2015 meeting were approved with one correction to a misspelled word.**
- III. Report from Executive Committee**
Chair Flannagan announced and held discussion concerning the following items/issues: FMU welcomes 20 new full-time faculty members. Chris Kennedy will serve as Senate Parliamentarian. Chair Flannagan will hold office hours in Stokes (Mondays 9:30 – 10:20 AM). The yearly Accountability Report has been submitted to the CHE earlier this month. The FMU Title IX Committee has been created and met during the summer; a document is posted at safe.fmarion.edu; further training will be coming in the coming months for faculty, staff, and responsible employees. The summer school study group (chaired by Chapman) have been meeting and will make recommendations on how to make summer school a more effective proposition; send any comments to Dr. Chapman or any member of that committee; the committee intends to make recommendations by the end of 2015. The Retention Committee expects to make recommendations by end of the spring 2016 semester. The Provost Search Committee has been formed; and the Hire of provost will be completed this academic year. There are two new Board of Trustees Research Scholars: Ben Kyer and Ruth Wittman-Price. Compression salary issues are being addressed, and there will be some changes that will take effect on January 1; some faculty will see a salary increase as a result. An Institutional Effectiveness Coordinator will be hired this year. A student ombud will be hired this year.
- IV. Report from the Academic Affairs Committee – *All items passed without opposition***
1. Gender Studies Committee
 - Item A. Adds a course to the list of courses that are eligible for the Gender Studies minor and collateral.

2. School of Business
 - Item A. Changes course requirements for the Business Economics BBA major by replacing two specified ECON courses (321 and 325) with any two ECON electives at the 300 or 400 level.
 - Item B. Changes course requirements for the General Business degree by replacing ECON 310 with the option of either ECON 310 or 320.
 - Item C. Changes the prerequisite for ECON 410.
 - Item D. Changes the prerequisite for and description of MIS 225.
 - Item E. Changes the prerequisite for and description of CS 225.

3. Department of Physics and Astronomy
 - Item A. Deletes a course, PHYS 306.
 - Item B. Adds a new course, PHYS 320.
 - Item C. Changes the course requirements for the Physics major with a Computational Physics Concentration.
 - Item D. Changes the prerequisites and course description for two courses, PHYS 301 and 302.
 - Item E. Changes the course description of PHYS 314.
 - Item F. Changes the prerequisites and course description for PHYS 401.
 - Item G. Changes the prerequisites and course description for PHYS 406.

V. Report from the Graduate Council – *All items passed without opposition*

1. Department of Nursing
 - Item A. Changes admission requirements for the MS in Nursing.
 - Item B. Adds a new course, Interprofessional Healthcare 501.
2. Office of the Provost
 - Item A. Adds a Speech Pathology program, including new courses.
 - Item B. Adds text to other parts of the catalog relating to Item A.

VI. Old Business – None

VII. New Business

The Senate reviewed an initiative to create a new School of Health Sciences. This initiative was endorsed by the Senate without opposition.

VIII. Announcements – A variety of upcoming events were announced

IX. Adjournment – The meeting adjourned at 4:29 PM.

Attachment to the Senate Agenda – September 24, 2015

IV. Academic Affairs

1. Proposal from the Gender Studies Committee:

A. **ADD** to the list of courses eligible for the Gender Studies minor and collateral on page 194 of the current catalog after HIST 321 Family and Gender in World History and before HIST 346 Civil War America:

HIST 324 History of Traditional East Asia

Rationale: The Gender Studies Committee has approved the addition of HIST 324 after seeing from Dr. Mary Louise Nagata's syllabus (attached) that consideration of gender related issues forms a substantial part of the course.

2. Proposal from the School of Business:

A. **Change**, on page 162, of the current catalog

From:

e) Business Economics	18 hours
ECON 310 Intermediate Microeconomic Theory.....	3
ECON 320 Intermediate Macroeconomic Theory.....	3
ECON 321 Money and Banking.....	3
ECON 325 International Economics.....	3
ECON 450 Senior Seminar Economics.....	3
School Elective.....	3
TOTAL REQUIRED HOURS.....	120

To:

e) Business Economics.....	18 hours
ECON 310 Intermediate Microeconomic Theory.....	3
ECON 320 Intermediate Macroeconomic Theory.....	3
ECON 450 Senior Seminar in Economics.....	3
ECON Electives (any 300 or 400 level courses).....	6
School Elective.....	3
TOTAL REQUIRED HOURS.....	120

Rationale: The proposed change removes Economics 321 and 325 as requirements for the Business Economics BBA major. Instead students will be required to take 6 additional hours of economics at the 300 level or higher. This change allows students to take better advantage of different course offerings to customize their degree to their desired career path. It will also improve flexibility with respect to scheduling courses. This change will not affect current course offerings.

B. Change, the General Business degree on page 163 of the current catalog

From:

g) General Business.....	18 hours
Marketing 333 or Marketing 334 or Marketing 335.....	3
Any 300 or 400 Management course (except Management 355 or Management 351).....	3
Any 300 or 400 level Finance course (except Finance 341).....	3
ECON 310 Intermediate Microeconomic Theory	3
School Electives (Accounting, Economics, Finance, Management, Management Information Systems, Marketing).....	6
TOTAL REQUIRED HOURS	120

To:

g) General Business.....	18 hours
Marketing 333 or 334 or 335.....	3
Any 300 or 400 Management course (except Management 355 or 351).....	3
Any 300 or 400 level Finance course (except Finance 341).....	3
Economics 310 or 320	3
School Elective (Accounting, Economics, Finance, Management, Management Information Systems, Marketing).....	6
TOTAL REQUIRED HOURS	120

Rationale: The Common Business Core requirements of Economics 203 and 204 provide a foundation for all remaining business classes by introducing students to the basic concepts of individual and firm behavior, the function of markets, and the operation and behavior of the economy as a whole. Economics 310 and 320 are intellectual extensions of Economics 203 and 204, respectively. However, Economics 310 and 320 are still considered substantial in nature. Extending the economics requirement for General Business majors to include Economics 320 provides students with more choice and flexibility in scheduling courses, while maintaining the implicit objective that the Major Requirements for the General Business major include courses that provide a solid foundation in business administration. This change will not affect current course offerings.

C. **Change**, on page 166 of the current catalog, the prerequisite of ECON 410

From:

410 Labor Economics (3) (Prerequisite: 310) F. Examines the nature of the labor market and problems dealing with labor groups. Topics include history of the labor movement, union structures, labor law, and collective bargaining.

To:

410 Labor Economics (3) (Prerequisite: 203) Examines the nature of the labor market and problems dealing with labor groups. Topics include history of the labor movement, union structures, labor law, and collective bargaining.

Rationale: Economics 310 is typically not offered every semester and some students taking an untraditional sequence of courses are unable to meet the prerequisite until later in their matriculation. Changing the prerequisite from ECON 310 to ECON 203 will open up ECON 410 to a larger population of students, while requiring no substantive changes to the course. This change will not affect current course offerings.

D. **Change**, on page 168 of the current catalog, the prerequisite for and description of MIS 225

From:

225 Modern Programming (3) (Prerequisite: A grade of C or better in CS 190 or permission of school) [Same as CS 225] F, S, SU. A continuing study of the concepts presented in CS 190. Topics include problem solving, algorithm and program development, data types and operations, objects and classes, arrays and event driven programming.

To:

225 Modern Programming (3) (Prerequisite: CS 150 or MATH 111 or MATH 121 or higher or permission of school) [Same as CS 225] A study of programming concepts including problem solving, algorithm and program development, data types and operations, objects and classes, arrays, and event-driven programming.

E. **Change**, on page 171 of the current catalog, the prerequisite for and description of CS 225

From:

225 Modern Programming (3) (Prerequisite: A grade of C or better in CS 190 or permission of school) [Same as MIS 225] F, S, SU. **A** continuing study of the concepts presented in CS 190. Topics include problem solving, algorithm and program development, data types and operations, objects and classes, arrays and event driven programming

To:

225 Modern Programming (3) (Prerequisite: CS 150 or MATH 111 or MATH 121 or higher or permission of school) [Same as MIS 225] A study of programming concepts including problem solving, algorithm and program development, data types and operations, objects and classes, arrays, and event-driven programming.

Rationale: CS 190 (Programming Fundamentals) is currently the pre-requisite for students to take CS/MIS 225. CS 190 uses JAVA and CS 225/MIS 225 uses Visual Basic. The MIS faculty also believes that Visual Basic would be a better programming language for students to take as their introductory class rather than JAVA and the faculty members teaching CS/MIS 225 do not believe that CS 190 is needed as a pre-requisite for CS/MIS 225. Therefore we are changing the pre-requisite and the description of MIS/CS 225

3. Proposal from the Department of Physics and Astronomy:

A. **Delete**, on page 143, of the current catalog

306 Computational Physics (3) (Prerequisite: 220 and 314, CS 190 or 212 or 226; prerequisite/corequisite: Math 203) F. An introduction to basic computational methods in physics. Students will learn the theory behind and practical applications of numerical techniques applicable to many physical systems. Topics include curve-fitting algorithms, select problems in mechanics, superposition techniques, matrix algebra, and applications of probability theory.

B. **Add**, on page 143, of the current catalog

320 Computational Statistical and Thermal Physics (3) (Prerequisites: 220, 301, 314, Math 203, and a programming course [CS 190, 212, or 226] or permission of the department) S. Analysis of the properties of many-particle systems at finite temperature using both analytical and numerical methods.

Topics include heat, work, temperature, pressure, entropy, the laws of thermodynamics, engines, refrigerators, phases of matter, and phase transitions. These macroscopic phenomena will be described from a microscopic perspective using basic probability concepts, Monte Carlo and Molecular Dynamics methods, statistical ensembles, classical and quantum distribution functions, the partition function, and free energy.

Rationale for A and B: Most undergraduate physics programs in the U.S. include a course in statistical and thermal physics, and the physics GRE always includes topics from statistical and thermal physics. The addition of Physics 320 will benefit our graduates, and we will still be able to cover the computational content from Physics 306 (which is being deleted) within the context of Physics 220, 406, and 320.

C. Change, on page 141 of the current catalog

From:

A. Computational Physics Concentration

A concentration in computational physics requires completion of:

1. Physics 200, 201, 202, 220, 301, 302, 306, 314, 401, 406, 419, and 420
2. Mathematics 201, 202, 203, 301, and 306
3. Chemistry 101 and 102
4. Computer Science 226

In addition to these courses, Mathematics 304, Computer Science 425, Physics 310, Mathematics 312, and Physics 316 are highly recommended.

To:

A. Computational Physics Concentration

A concentration in computational physics requires completion of:

1. Physics 200, 201, 202, 220, 301, 302, 314, 320, 401, 406, 419, and 420
2. Mathematics 201, 202, 203, 301, and 306
3. Chemistry 101 and 102
4. Computer Science 190 or 212 or 226

In addition to these courses, Mathematics 304, Physics 310, Mathematics 312, Physics 316, and Mathematics/Computer Science 425 are highly recommended.

Rationale for C: Items A and B of this proposal are replacing Physics 306 with Physics 320; Item C incorporates this change into the requirements for the Computational Physics concentration. We are also changing the Computer Science requirement to be more flexible (and to be consistent with the requirement for the Health Physics concentration) by adding CS 190 and 212 as options. In the list of “highly recommended” courses, we are changing the order in which the courses are listed so that they will be in order of increasing course number.

D. Change, on page 143, of the current catalog

From:

301 Classical Mechanics (3) (Prerequisite: 202 and Math 202) F. Classical mechanics using vector calculus applied to non-relativistic Newtonian dynamics: dynamics of particles and rigid bodies; collisions; vibratory and wave motions. Lagrangian and Hamiltonian formulations of mechanics to be included.

302 Electricity and Magnetism (3) (Prerequisite: 202 and Math 202) S. Introduction to classical electromagnetic theory. The differential form of Maxwell's equations will be developed and applied to various problems in electrostatics, magnetostatics, electromagnetic fields and waves. Particular emphasis will be placed on radiation fields with applications to optics. Electric and magnetic properties of materials will also be discussed briefly.

To:

301 Classical Mechanics (3) (Prerequisites: 202 and Math 202 or permission of department; Prerequisite/Corequisite: 220 or permission of the department) F. Classical mechanics using vector calculus applied to non-relativistic Newtonian dynamics: dynamics of particles and rigid bodies, collisions, and vibrational and wave motion. Lagrangian and Hamiltonian formulations of mechanics to be included.

302 Electricity and Magnetism (3) (Prerequisites: 202, 220, and Math 202 or permission of department) S. Introduction to classical electromagnetic theory. The differential form of Maxwell's equations will be developed and applied to various problems in electrostatics, magnetostatics, electromagnetic fields, and waves. Particular emphasis will be placed on radiation fields with applications to optics. Electric and magnetic properties of materials will also be discussed briefly.

E. Change, on page 143, of the current catalog

From:

314 Modern Physics (4:3-3) (Prerequisite: 202 and Math 202 or permission of department) S. Introduction to relativity and the quantum theory including the historical background and experimental basis of these theories and applications to atomic and molecular structure.

To:

314 Modern Physics (4:3-3) (Prerequisites: 202 and Math 202 or permission of department) S. Introduction to relativity and the quantum theory including their historical background, the experimental basis of these theories, and applications to atomic and molecular structure.

Rationale for D and E: Adds Physics 220 as a prerequisite (or corequisite) for PHYS 301 and 302 such that students will be prepared to solve problems using numerical methods. Also makes minor changes to the language/grammar in course descriptions.

F. **Change**, on page 143, of the current catalog

From:

401 Quantum Mechanics (3) (Prerequisite: 314; corequisite: Math 301) F. The Schrodinger Equation and applications to free particles, the harmonic oscillator, one-dimensional potential barriers, the hydrogen atom, and other three-dimensional problems. Perturbation theory, approximation methods, and operator formalism will also be introduced.

To:

401 Quantum Mechanics (3) (Prerequisites: 220 and 314 or permission of department) F. Methods of quantum theory including quantum state vectors, operators, eigenvalue equations, and expectation values. The Schrodinger Equation and applications to quantum spins, bound particles, free particles, and scattering. Three-dimensional problems including the hydrogen atom. Perturbation theory and its application to atoms and molecules. Modern applications of quantum mechanics such as quantum cryptography, quantum computing, and magnetic resonance.

Rationale for F: Adds Physics 220 as a prerequisite for PHYS 401 such that students will be prepared to solve problems using numerical methods. Also modifies the course description to more accurately describe the topics that are being covered in PHYS 401.

G. **Change**, on page 144, of the current catalog

From:

406 Advanced Computational Physics (3) (Prerequisite: PHYS 302, 306 or permission of department) (Same as Chemistry 406) S. A continuation of topics covered in Physics 306. Topics include the numerical solution of two and three-body problems, normal modes, chaos and fractal growth, learning and stochastic algorithms, and an introduction to Monte Carlo techniques in physics.

To:

406 Advanced Computational Physics (3) (Prerequisites: 220, 301, 302, 314, Math 301, and a programming course (CS 190, 212, or 226) or permission of department) F. A survey of advanced topics in computational physics including chaotic motion, mechanical and electromagnetic waves, diffusion, and fluid dynamics. Problems are solved using numerical methods involving ordinary and partial differential equations, linear algebra, and fast Fourier transforms. High-

performance computing techniques are introduced to solve problems using multi-core and many-core computer architectures.

Rationale for G: Changes the prerequisites, course description, and semester (from spring to fall) for PHYS 406. The content of PHYS 406 is being adjusted both to make use of newly available High-Performance Computing resources and to be consistent with the changes from Items A and B (such that all of the important topics in computational physics are being covered between the various computational courses).

V. Graduate Council

1. Department of Nursing

A. Change, on page 223 of the catalog:

FROM:

ADMISSION REQUIREMENTS

To be considered for admission as a graduate degree student, an applicant must submit the following materials to the FMU Department of Nursing

1. The graduate application for admission and nonrefundable application fee
2. Official transcripts(s) of all undergraduate and graduate work from accredited institutions
3. **Two** letters of confidential recommendation from professional associates or former professors who can attest to the academic potential of the applicant
4. A written statement of the applicant's career goals, 300 to 500 words in length, including the applicant's interest and reasons for seeking admission to the MSN/FNP or MSN/Nurse Educator track
5. Current unencumbered license to practice nursing in South Carolina or other National Council of State Boards of Nursing (NCSBN) Nurse License Compact state license

All of the above materials must be submitted in one packet to:

Graduate **Office**
Francis Marion University
Post Office Box 100547
Florence, SC 29502-0547

TO:

ADMISSION REQUIREMENTS

To be considered for admission as a graduate degree student, an applicant must submit the following materials to the FMU Department of Nursing

1. The graduate application for admission and nonrefundable application fee
2. Official transcripts(s) of all undergraduate and graduate work from accredited institutions

3. **Three** letters of confidential recommendation from professional associates or former professors who can attest to the academic potential of the applicant. **One** letter must be submitted from a current supervisor.
4. **A current resume or curriculum vita (CV)**
5. A written statement of the applicant's career goals, 300 to 500 words in length, including the applicant's interest and reasons for seeking admission to the MSN/FNP or MSN/ Nurse Educator track
6. Current unencumbered license to practice nursing in South Carolina or other National Council of State Boards of Nursing (NCSBN) Nurse License Compact state license

All of the above materials must be submitted to:

Graduate **Admissions**
Department of Nursing
Francis Marion University
Post Office Box 100547
Florence, SC 29502-0547

RATIONALE: Currently all graduate programs, the Physician Assistant Program, and the undergraduate program require three letters of reference. Ensuring a current supervisor letter would give the department updated recommendations for applicants. Requiring a current CV with explanations in employment gaps would assist us in identifying potential students with difficulty in local clinical placement. Sending all applications pieces to the person who maintains the files will assist us in timely processing.

B. Add, on page 199, of the current catalog

501 Healthcare Informatics (3) (Prerequisite: Junior or senior status with approval of course coordinators or graduate student status) This course will provide an overview of health information management including computer technology and information management and distribution, as well as practice implications. Students will explore technological resources designed to improve communication, education, and delivery of healthcare and evaluate legal and ethical issues related to health information systems. Additionally, students will employ information technology to improve healthcare delivery by designing support tools to improve clinical practice, promote public health, and enhance disease management.

2. Office of the Provost

A. **Add** on page 238 of the current catalog (after Graduate Psychology Program)

GRADUATE SPEECH PATHOLOGY PROGRAM MASTER OF SCIENCE IN SPEECH PATHOLOGY

Coordinator of Speech Pathology: TBA

An application for provisional accreditation will be submitted by FMU to the Council on Academic Accreditation in Audiology and Speech-Language Pathology (CAA) of the American Speech-Language-Hearing Association (ASHA) once the program has been approved by the South Carolina Committee on Higher Education (CHE) and the South Carolina State Board of Education. Graduates will be eligible for certification by the Board of Examiners in Speech-Language Pathology and Audiology and by ASHA in the form of the Certificate of Clinical Competence, Speech-Language Pathology (CCC-SLP). Graduates who wish to work in the school system will be eligible for licensure by the South Carolina Department of Education.

MISSION STATEMENT

The Francis Marion University Speech Pathology Program seeks to provide a comprehensive academic course of study combined with clinical experiences in a variety of settings in order to prepare graduates who are ready to provide the highest quality assessment and treatment for persons with communication disorders.

ADMISSION REQUIREMENTS

All applications to the program must be submitted to the FMU Graduate Office. To complete the application a student must:

1. Complete a Bachelor's degree from a regionally accredited institution with at least a 3.0 grade point average based on a 4.0 scale.
2. Submit official transcript (s) of all undergraduate and graduate work from accredited institutions.
3. Pay the nonrefundable graduate application fee.
4. Submit scores from the Graduate Record Examination taken within the last five years.
5. Provide a criminal background check.
6. Provide three letters of recommendation from former professors or professional associates/supervisors who can attest to the academic potential of the applicant. Letters from faculty members in academic settings are preferred.
7. Provide a personal statement of 400-750 words explaining the student's reason for applying to the program and describing his/her clinical experience.
8. Have at least a 3.0 grade point average on a 4.0 scale in all program prerequisites.
9. Complete all prerequisites including the Pre-Professional Course sequence.

Prerequisite courses to be completed before matriculation:

1. At least 3 credit hours in Biological Sciences
2. At least 3 credit hours in Social/Behavioral Sciences
3. At least 3 credit hours in a Physical Science (preferably physics or chemistry)
4. Three credit hours in statistics

For those who have an undergraduate degree in a field other than communication disorders, a post-baccalaureate sequence of courses must be completed before matriculation (see “Pre-Professional Courses” section below for further information):

1. Anatomy and Physiology of the Speech and Hearing Mechanism (3 credit hours)
2. Language and Speech Development (3 credit hours)
3. Introduction to Speech and Language Disorders (3 credit hours)
4. Phonetics (3 credit hours)
5. Clinical Observation (25 hours)

Completed applications are reviewed for merit by the Speech Pathology Admissions Committee. Determination of merit is based upon consideration of all components of the application packet. In the admissions decision process, the committee considers both the merit of each application received and the number of places available in the program at the time of the application. Offers for admission are given to those who show the most promise of success in graduate studies.

Applications should be submitted by March 1 of each year for a start in the fall semester of that year. Application materials received after the application deadline may still be considered for admission contingent upon the availability of positions within the program. It is the applicant’s responsibility to gather all material to complete his/her application. Only completed applications, with all required materials, will be reviewed for possible admission.

REQUIREMENTS FOR MASTER OF SPEECH PATHOLOGY

To receive a Master of Speech Pathology from FMU, a student must fulfill the following requirements:

For those students who have an undergraduate degree in a field other than communication disorders, specific leveler courses must be taken prior to formally beginning the graduate degree sequence.

Pre-Professional Courses.....13 hours

SP 501 Anatomy and Physiology of the Speech and Hearing Mechanism

SP 507 Language and Speech Development

SP 510 Introduction to Speech and Language Disorders

SP 515 Phonetics

SP 520 Structured Clinical Observation

MS Program**Fall Semester I15 hours**

SP 531 School Age Language Disorders

SP 537 Speech and Hearing Science
 SP 540 Communication Disorders in the Birth to Five Population
 SP 545 Introduction to Multicultural Issues
 SP 547 Neurology of Speech-Language and Hearing
 SP 550 Beginning Clinical Practicum

Spring Semester I.....15 hours

SP 561 Dysphagia
 SP 567 Research Methods I
 SP 570 Audiology and Aural Rehabilitation
 SP 575 Adult Language Disorders
 SP 580 Clinical Practicum
 SP 581 Hearing Clinical Practicum

Summer I.....6 hours

SP 591 Motor Speech Disorders
 SP 595 Medical Aspects of Speech-Language Pathology

Summer II.....3 hours

SP 601 Advanced Clinical Practicum I

Fall Semester II.....12 hours

SP 607 Augmentative/Alternative Communication
 SP 610 Professional Issues and Ethics
 SP 615 Voice Disorders
 SP 617 Fluency Disorders
 SP 620 Advanced Clinical Practicum II

Spring Semester II.....12 hours

SP 621 Advanced Clinical Practicum III
 SP 630 Research Methods II: Capstone Project

COURSE REPETITION

Only a grade lower than B can be raised by repetition of the course; a re-examination is not permitted. Any course that is repeated must be taken at FMU. A course may be repeated only once. Speech Pathology students may repeat only one course. That one course may be repeated only with written approval from the program coordinator. Only the higher grade of the repeated course will be counted in the calculation of the grade point average.

PRE-PROFESSIONAL COURSES IN SPEECH PATHOLOGY (SP)

501 Anatomy and Physiology of the Speech and Hearing Mechanism (3) SU. This course provides an overview of the anatomical and physiological bases of human communication: respiration, phonation, resonance, articulation, and basic neurological

concepts. This course will help prepare students for working with pediatric and adult populations with communication and swallowing disorders.

507 Language and Speech Development (3) SU. This course addresses the theory and evidence associated with the development of phonology, syntax, semantics, and pragmatics, as well as cultural and linguistic variations in child language development. This course will help students gain a better understanding of the difference between normal development and disordered development.

510 Introduction to Speech and Language Disorders (3) SU. This course is an introduction to the nature, assessment, and treatment of speech and language disorders. The course will help prepare students for working with pediatric and adult populations with speech and language disorders.

515 Phonetics (3) SU. This course is an introduction to the speech sounds used in the production of American English. Emphasis is placed on sound to symbol transcription using the International Phonetic Alphabet.

520 Structured Clinical Observation (1) SU. This course provides guided clinical observations and experiences under the supervision of an ASHA Certified Speech-Language Pathologist. This course will help prepare students for working with pediatric and adult populations with communication and swallowing disorders.

GRADUATE COURSES IN SPEECH PATHOLOGY (SP)

531 School Age Language Disorders (3) F. This course provides students with a foundation of knowledge about the etiology and characteristics of language disorders in school-age children. Students will discuss the evolving language demands that children encounter as they progress through school and will explore the impact of language disorders on academic performance and social interaction in the classroom. The relationship between oral and written language is emphasized.

537 Speech and Hearing Science (3) F. This course will provide a foundational understanding of the basic principles of acoustics, psychoacoustics, and acoustics of voice and speech production.

540 Communication Disorders in the Birth to Five Population (3) F. This course explores communication disorders from infancy through the preschool period. Topics addressed include theoretical frameworks for the assessment and treatment of childhood language disorders, etiology and characteristics of language/communication disorders in infants and preschool children, and principles and methods of assessment and intervention.

545 Introduction to Multicultural Issues (1) F. This course focuses on the identification and treatment of speech and language differences in diverse populations. The course will explain terminology and concepts related to cultural and linguistic diversity, and students will learn to evaluate how cultural variables impact service delivery and treatment options.

547 Neurology of Speech-Language and Hearing (3) F. This course provides an overview of neuroanatomy and neurophysiology with a concentration on neurological mechanisms related to speech, language, and hearing. This course will increase

knowledge of basic human communication and swallowing processes, including basic biological and neurological structure and function.

550 Beginning Clinical Practicum (2) F. This course provides clinical practice in the diagnosis and treatment of communication disorders. Clinical work is accompanied by regular group and individual meetings with clinical staff. Clinical hours are accumulated under direct supervision. Acceptable clinical hours may be applied toward ASHA certification.

561 Dysphagia (3) S. This course examines the anatomical bases of normal and disordered swallowing in children and adults. The course will prepare students to assess and diagnose swallowing disorders across the lifespan.

567 Research Methods I (3) S. This course is an introduction to research procedures in the study of communication sciences and disorders with an emphasis on Evidence-Based Practice. The course is designed to increase knowledge of principles of basic and applied research and research design, improve ability to access sources of research information, and increase ability to relate research to clinical practice.

570 Audiology and Aural Rehabilitation (3) S. This course is an introduction to the theory and techniques of pediatric and adult audiology and the habilitation and rehabilitation of hearing differences across the lifespan.

575 Adult Language Disorders (3) S. This course introduces students to the prevention, assessment, and treatment of cognitive-linguistic disorders of communication resulting from stroke, dementia, and traumatic brain injury.

580 Clinical Practicum (2) (Prerequisite: 550) S. This course continues the practice of diagnosis and treatment of communication disorders. Clinical work is accompanied by regular group and individual meetings with clinical staff. Clinical hours are accumulated under direct supervision. Acceptable clinical hours may be applied toward ASHA certification.

581 Hearing Clinical Practicum (1) S. This course provides students with the opportunity to conduct hearing screenings for children and adults under the supervision of an audiologist or speech-language pathologist, following protocols established by the ASHA.

591 Motor Speech Disorders (3) SU. This course provides an examination of the neurological basis, assessment, and treatment of dysarthria and apraxia. Students will be introduced to the appropriate procedures for evaluation and intervention of children and adults with motor speech disorders.

595 Medical Aspects of Speech-Language Pathology (3) SU. This course will provide students in medical field placements with knowledge regarding service delivery models, reimbursement issues, documentation requirements, assessment approaches, goal setting, interdisciplinary team approaches, prioritizing treatment concerns, and discharge planning. Case study presentations and discussion will be generated from students' field placement experiences.

601 Advanced Clinical Practicum I (3) (Prerequisite: 580) SU. This course provides guided clinical observations and experiences under the supervision of an ASHA Certified Speech-Language Pathologist. This course will help prepare students for working with clients, patients, and students with communication and/or swallowing disorders. Acceptable clinical hours may be applied toward ASHA certification.

607 Augmentative/Alternative Communication (1) F. This course provides fundamental knowledge of the principles and functions of augmentative and alternative communication. The course will provide students with the skills needed to assess the needs of differing populations and determine the best treatment strategies.

610 Professional Issues and Ethics (1) F. This course will introduce students to issues related to employment settings, job exploration/preparation, credentialing, trends in service delivery, ethics, legal considerations, and professional advocacy in the profession of speech therapy.

615 Voice Disorders (2) F. This course provides a foundational understanding of the anatomical and physiological bases of voice production. Emphasis is placed on diagnosis and therapy for phonatory disorders in children and adults.

617 Fluency Disorders (2) F. This course explores the theoretical and diagnostic approaches to the modification of stuttering behavior. Students will learn to identify normal and abnormal anatomy as it relates to speech production and will learn to assess and diagnose fluency of speech across the lifespan.

620 Advanced Clinical Practicum II (6) (Prerequisite: 601) F. This course provides guided clinical observations and experiences under the supervision of an ASHA Certified Speech-Language Pathologist. This course will help prepare students for working with clients, patients, and students with communication and/or swallowing disorders. Acceptable clinical hours may be applied toward ASHA certification.

621 Advanced Clinical Practicum III (9) (Prerequisite: 620) S. This course provides guided clinical observations and experiences under the supervision of an ASHA Certified Speech-Language Pathologist. This course will help prepare students for working with clients, patients, and students with communication and/or swallowing disorders. Acceptable clinical hours may be applied toward ASHA certification.

630 Research Methods II: Capstone Project (3) (Prerequisite: 567) S. This course will increase knowledge of applied research and research design, data collection and analysis, and presentation of results.

- B. **Add** text related to Item A (the new Speech Pathology Program) on pages 208 and 211 of the catalog:

Change on Page 208

FROM

REPEATING COURSES

For information, see “Course Repetition” in the business, education, nursing, physician assistant, or psychology sections.

TO

REPEATING COURSES

For information, see “Course Repetition” in the business, education, nursing, physician assistant, psychology, or speech pathology sections.

Change on Page 208

FROM

ACADEMIC STANDING

Eligibility to Continue—Graduate degree students who have been accepted into a degree program must maintain a 3.0 cumulative grade point average for all graduate courses (see exceptions under “Course Repetition” in the business, education, nursing, physician assistant, or psychology section and under “Time Limit” below).

TO

ACADEMIC STANDING

Eligibility to Continue—Graduate degree students who have been accepted into a degree program must maintain a 3.0 cumulative grade point average for all graduate courses (see exceptions under “Course Repetition” in the business, education, nursing, physician assistant, psychology, or speech pathology sections and under “Time Limit” below).

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COURSE LOAD

The maximum load for a graduate student during a regular fall or spring semester is 12 hours, except for Physician Assistant students who may take up to 18 hours in any semester with permission of the department.

TO

COURSE LOAD

The maximum load for a graduate student during a regular fall or spring semester is 12 hours, except for Physician Assistant students who may take up to 18 hours in any semester with permission of the department and Speech Pathology students who may take up to 15 hours in any semester as required by the curriculum.