

To: Faculty Senate Executive Committee

From: Ralph Utzman, Chair, Senate Curriculum Committee

Date: 1/22/18

Re: New Courses Report

Title	College	Credits	Prerequisites	Description	Rationale
PSYC 428: Hormones and Behavior	AS	3	PSYC 301	Explores the complex interactions between the endocrine system, brain, and behavior in a broad range of animals, including people. Special emphasis is placed on reproductive hormones, as well as systems of homeostasis, aggression, and biological rhythms.	Currently, no courses on behavioral endocrinology are offered at WVU. Although PSYC426 touches briefly on hormones, this semester-long course will go into depth on the topic. The course fulfills the Cluster B: Biological Bases of Behavior requirement for Psychology majors and will be taught in rotation with PSYC 425 (Perception), serving in particular students preparing for medical school.
PSYC 728: Hormones and Behavior	AS	3	Graduate standing	Explores the complex interactions between the endocrine system, brain, and behavior in a broad range of animals, including people. Special emphasis is placed on reproductive hormones, as well as systems of homeostasis, aggression, and biological rhythms.	No other courses are offered at WVU on behavioral endocrinology. This elective has been requested by graduate students in psychology, although I expect that students from biology, physiology, and neuroscience will also enroll.
SOWK 481: Senior Capstone	AS	3	Completion of advanced SOWK courses with a grade of C- or higher in each course	Provides educational direction and support for students' field placement experience. Assists students in the integration, mastery, and application of practice theory in conjunction with placement learning activities, and provides opportunities to apply research to practice by evaluating the effectiveness of practice and programs.	Upon completion of all degree requirements and during the final semester, the weekly capstone assists students in the integration, mastery, and application of practice theory in conjunction with the Field Practicum (450 hours).
BADM 658: Communication Public Relations for Executives	BE	3		The course provides a study of public relations, reputation management and communication. The course includes an introduction to communication strategy, function and performance. Students will be introduced to the principles of executive and personal branding; media relations; community relations; multicultural and multigenerational communication; integrated marketing communication; crisis communication; social media; and how organizations manage relationships with important audiences.	This course is an elective in the MBA curriculum. Often business executives are called upon to shape the narrative of their organization. This course provides instruction in public relations, reputation management and communication strategy. This course has been tested as elective and has been well received. The course is taught in association with the Public Relations Society of America and is a part of PRSA's MBA Initiative.

Title	College	Credits	Prerequisites	Description	Rationale
CDFS 172: Health, Safety, Nutrition in Early Childhood	CEHS	3		Examines physical, nutritional, and safety needs that influence the growth and development of young children including non-medical-professional emergency training for the sick and injured leading to adult, child, and infant basic life support, CPR/AED and first aid certification.	This is a required course in the CDFS Program for Birth to Pre-K Certification. To be certified students must meet standards set forth by the West Virginia State Board of Education, the DHHR Bureau for Children and Families, and by The National Association for the Education of Young Children. These standards include components integral to early childcare professionals not included in typical CPR/First Aid course protocols. Therefore a more inclusive course not previously offered is necessary to meet the requirements for early childcare professionals. Course content includes the latest research in health, nutrition, and safety for professionals and childcare centers.
BMEG 501: Principles and Applications of Biomedical Engineering	CEMR	3	Consent.	Introduction to the principles of biomedical engineering from cells to systems. Biomedical engineering concepts and applications as related to biomaterials, drug delivery, tissue engineering, biohybrid devices, bioinstrumentation, bioimaging, and other areas. Emphasis on critical thinking and development of original research ideas.	This course is in support of the proposed new graduate programs in Biomedical Engineering (BMEG). It is a required course for both the MS and PhD programs. The course may serve students outside the program, since it will be open enrollment. No BMEG graduate program is offered in the state of West Virginia, even though an existing undergraduate program in BMEG was implemented in 2014 at WVU in the Chemical and Biomedical Engineering Department.
CS 569: Cybersecurity and Big Data Analytics	CEMR	3	Consent.	Scientific foundations for solving real-world security problems. Challenges and opportunities of big data. Typical big data analytic and modeling techniques for cybersecurity.	Cybersecurity has become an important issue and there's a huge demand for cybersecurity professionals. The addition of CS 569 provides a treatment of this important contemporary topic to the LCSEE graduate curriculum. It is an elective course and adds breadth of topics in the Software/Knowledge Engineering (area 4) concentration. This course will help the students gain practical insights in the area of cybersecurity and lay a foundation for them to carry out research in this area. The course also integrates big data analytic techniques for solving real-world security problems.
ACE 376: Techniques of Lacrosse	CPASS	2		Design sport specific daily workout plans and season practice plans and instructional techniques for teaching fundamental technical and tactical skills of lacrosse.	This course has been taught three times as a part of the rotation of sport technique courses in the ACE undergraduate program and we are now seeing a permanent number so the class can continue to be a part of the rotation of courses that students in the major can choose from. The course focuses on the applied teaching and curriculum design necessary for quality sport coaching within the specific sport of lacrosse.

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ACE 377: Techniques of Tennis	CPASS	2		Design sport specific daily workout plans and season practice plans and instructional techniques for teaching fundamental technical and tactical skills of tennis.	This course has been taught three times as a part of the rotation of sport technique courses in the ACE undergraduate program and we are now seeing a permanent number so the class can continue to be a part of the rotation of courses that students in the major can choose from. The course focuses on the applied teaching and curriculum design necessary for quality sport coaching within the specific sport of tennis.
SRVL 200: Serving the Public Schools	UC	3		Provides educational direction and support for students who perform community service in public schools. Students serve as tutors, student advisors, and mentors and help to instill the benefits of higher education.	This course is designed to provide students with a way to work with public k-12 students through a service project completed in the school (see attached memo from Associate Provost Kreider). This project will ask students to instill the value and benefits of higher education while working one on one with students in various capacities.