2019-2020 NJCU Senate C&I Committee

May 4, 2020 Report

Dr. Michael Rotenberg-Schwartz, Chair

Dr. Pablo Garofalo

Dr. Graig Klein

Dr. Joseph Moskowitz

Ms. Ruth Ortiz

Dr. Lilliam Rosado

**I. The committee approved the following program proposal**

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| Proposal Initiator | Robert Aslanian |
| Originating Department | Chemistry |
| Program Title | **Bachelor of Science in Biochemistry** |
| Program Objective | The primary objective of B.S. in Biochemistry is to provide students with a strong foundation in the natural sciences, including chemistry, biology, physics and mathematics, which is integral to the liberal education. The interdisciplinary Biochemistry program will enable and prepare students to pursue careers in pharmaceuticals, biotechnology, healthcare, and food and cosmetics, and/or to continue their education and research in life sciences and medicine. Students in the Biochemistry program will learn theoretical fundamentals and hands-on laboratory skills, and will be exposed to the in-depth study of complex chemical changes that occur at the molecular and cellular levels, which is essential to the understanding of life processes. The major focus will be the chemical basis and molecular logic of life, including energy in biological systems, macromolecular structures and functions, information storage and flow, evolution, and homeostasis. In addition, students in the program will engage in professional and ethical conduct and meaningful research so they can achieve academic excellence. |
| Program Curriculum | Major, 79 credits |

**II. The committee approved the proposal for an increase in credits for the following course:**

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| Course Initiator | Saigeetha Jambunathan |
| Originating Department | Early Childhood Education |
| Course Title | **Reflecting on Knowledge & Practice** |
| Credits | From 2 to 3 credits |
| Rationale | The credits assigned to this course is increased to 3 credit in order to provide the students with adequate and appropriate support for successful submission and obtaining passing scores on edTPA, which is a state mandated performance assessment for all early childhood certification candidates. As the 1-credit Professional Disposition course has been removed from the required curriculum, this change will not alter the total number of credits in the major. |

**III. The committee approved the following proposal for a change in course number:**

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| Course Initiator | Ethan Bumas |
| Originating Department | English |
| Course Title | **Fiction Workshop** |
| Course Level | From 200 to 300 |
| Rationale | This fixes a clerical error in the original approved proposal. Fiction Workshop is meant to be the same level as Narrative Workshop, Poetry Workshop, Creative Nonfiction Workshop, and so on. |

**IV. The committee approved the following course proposals pending minor edits:**

1.

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| --- | --- |
| Course Initiator | Manuela Caciula |
| Originating Department | Fitness, Exercise, and Sports |
| Course Title | **Life Span Motor Development** |
| Catalog Description | Life Span Motor Development examines how interactions of the developing and maturing individual, the environment, and the task being performed bring about changes in a person’s movements. It also covers normal and abnormal developmental issues across the full life span, especially in the formative years. |
| Credits | 3 cr. |
| Component Workload Hours | Lecture, 3 credits |
| Course Level | 300 |
| Prerequisites | PSYC 110 and BIOL 236 |
| Mode of Inquiry | NA |
| Student Learning Outcomes | NA |
| Degree Requirements | Required for BS in Exercise Science; Elective for Minor in Fitness Exercise Sports; no change in number of credits |
| Enrollment | Every fall semester; 25 students maximum enrollment per section |

2.

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| --- | --- |
| Course Initiator | Manuela Caciula |
| Originating Department | Fitness, Exercise, and Sports |
| Course Title | **Structural Kinesiology** |
| Catalog Description | Structural Kinesiology examines the fundamental anatomical analysis of human movement and sports skills. The emphasis of this course is the study of muscles, bones, and joints as they are involved in the science of movement. To a much lesser degree, certain physiological and mechanical principles are addressed. |
| Credits | 3 cr. |
| Component Workload Hours | Lecture; 3 credits |
| Course Level | 300 |
| Prerequisites | BIOL 236. Corequisite: BIOL 237 |
| Mode of Inquiry | NA |
| Student Learning Outcomes | NA |
| Degree Requirements | Required for major in Exercise Science. Elective for the minor in Fitness Exercise Sports. No change in credits. |
| Enrollment | Every fall semester; 25 students maximum enrollment per section |

3.

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| --- | --- |
| Course Initiator | Manuela Caciula |
| Originating Department | Fitness, Exercise, and Sports |
| Course Title | **Exercise Testing and Prescription** |
| Catalog Description | Exercise Testing and Prescription provides instruction in performing appropriate and reliable fitness and functional assessment, followed by guidelines for designing customized exercise programs to improve the fitness level of the general and special population. |
| Credits | 3 cr. |
| Component Workload Hours | Lecture, 3 credits |
| Course Level | 300 |
| Prerequisites | FES 315 and BIOL 237 |
| Mode of Inquiry | NA |
| Student Learning Outcomes | NA |
| Degree Requirements | Required in both the major in Exercise Science and the minor in Fitness Exercise Sports. No change in credits. |
| Enrollment | Every spring semester; 25 students maximum enrollment per section |

4.

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| --- | --- |
| Course Initiator | Manuela Caciula |
| Originating Department | Fitness, Exercise, and Sports |
| Course Title | **Adapted Physical Education** |
| Catalog Description | Adapted Physical Education will provide students in the fields of exercise science with an overview of best practices to adapt physical activity and exercise for individuals with disabilities. More specifically, this course will focus on children and adults with disabilities and/or chronic conditions. |
| Credits | 3 cr. |
| Component Workload Hours | Lecture, 3 credits |
| Course Level | 300 |
| Prerequisites | BIOL 236 and 237. Corequisite: Adult First Aid, CPR, AED Certification (must be obtained prior to practicum) |
| Mode of Inquiry | NA |
| Student Learning Outcomes | NA |
| Degree Requirements | Required for major in Exercise Science. Elective for minor in Fitness Exercise Sports. No change in credits. |
| Enrollment | Every spring semester; 25 students maximum enrollment per section |

5.

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| Course Initiator | Manuela Caciula |
| Originating Department | Fitness, Exercise, and Sports |
| Course Title | **Motor Control and Learning** |
| Catalog Description | This course examines the behavioral, physiological, and psychological principles underlying motor control and motor learning. Specific topics include classifications and measurement of motor performance; the role and function of sensory processes, perception, memory, and attention; and the delivery of feedback and structure of practice. |
| Credits | 4 cr. |
| Component Workload Hours | Lecture, 4 credits |
| Course Level | 400 |
| Prerequisites | PSYC 110 and FES 315 |
| Mode of Inquiry | NA |
| Student Learning Outcomes | NA |
| Degree Requirements | Required for major in Exercise Science. Elective for minor in Fitness Exercise Sports. No change in credits |
| Enrollment | Every fall semester; 25 students maximum enrollment per section |

6.

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| Course Initiator | EunSu Lee |
| Originating Department | Management |
| Course Title | **Systems Thinking and Analytics for Community** |
| Catalog Description | This course offers the rationale for applying certain models to community and public sector managerial problems, assists students in the application of such models and guides students in the interpretation of results. The course includes basic quantitative techniques used in community decision making. The topics covered include: linear programming, network. |
| Credits | 3 cr. |
| Component Workload Hours | Lecture, 3 credits |
| Course Level | 300 |
| Prerequisites | MGMT 203 is a corequisite |
| Mode of Inquiry | NA |
| Student Learning Outcomes | NA |
| Degree Requirements | Elective for majors in Management, Supply Chain Logistics & Maritime Port Management, and Global Business. No change in credits. |
| Enrollment | Every semester; 25 students maximum enrollment per section |

7.

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| Course Initiator | Sujin Song |
| Originating Department | Management |
| Course Title | **Restaurant Operations** |
| Catalog Description | This course provides students with information on the basic principles of effective food production and restaurant management. The primary focus is on controlling costs for both food and labor, creating menu, managing a breakeven point. |
| Credits | 3 cr. |
| Component Workload Hours | Lecture, 3 credits |
| Course Level | 300 |
| Prerequisites | MGMT 211 is corequisite |
| Mode of Inquiry | NA |
| Student Learning Outcomes | NA |
| Degree Requirements | Elective for majors in Hospitality Management, Entrepreneurship, and Management. No change in credits. |
| Enrollment | Every year, demand depending; 25 students maximum enrollment per section |

8.

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| Course Initiator | Irma Maini and Hilary Englert |
| Originating Department | English |
| Course Title | **Topics in World Literature** |
| Catalog Description | This course examines literatures from cultures outside the United States and Great Britain. Engaging with works of fiction, non-fiction, poetry, drama, and criticism from at least three distinct regions of the world, the course explores how to compare texts from divergent places while still regarding their original cultural contexts. |
| Credits | 3 cr. |
| Component Workload Hours | Lecture, 3 credits |
| Course Level | 300 |
| Prerequisites | ENGL 213. Corequisite: ENGL 219. |
| Mode of Inquiry | NA |
| Student Learning Outcomes | NA |
| Degree Requirements | Required for major in English. No change in credits. |
| Enrollment | Every other semester; 20 students maximum enrollment per section |

9.

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| Course Initiator | Reed Carroll |
| Originating Department | Biology |
| Course Title | **Essential Concepts in Neuroscience** |
| Catalog Description | This course introduces essential concepts in neuroscience, including cellular and molecular processes of neural function and communication, neural systems, and the higher level processing underlying cognition and learning. The course will explore both anatomical and physiological processes through discussion, hands on laboratory demonstrations and analysis of foundational research literature. |
| Credits | 3 cr. |
| Component Workload Hours | Lecture, 3 credits |
| Course Level | 300 |
| Prerequisites | BIOL 230, CHEM 106, and CHEM 1106 |
| Mode of Inquiry | NA |
| Student Learning Outcomes | NA |
| Degree Requirements | Elective; No change in credits. |
| Enrollment | Once every year; 24 students maximum enrollment per section |

10.

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| Course Initiator | Natalia Coleman |
| Originating Department | Biology |
| Course Title | **Scientific Reasoning** |
| Catalog Description | In this class we will learn how scientists investigate the world, asking certain types of questions, generating empirical evidence, applying logical rigor in answering those questions and subsequently communicating the results of those investigations to different audiences. |
| Credits | 3 cr. |
| Component Workload Hours | Lecture, 3 credits |
| Course Level | 200 |
| Prerequisites | ENGL 101, BIOL 130. Corequisite: ENGL 102 |
| Mode of Inquiry | NA |
| Student Learning Outcomes | NA |
| Degree Requirements | Elective; no change in credits. |
| Enrollment | Every other semester; 24 students maximum enrollment per section. |