

## **2018-2019 Course Catalog**

**INTRODUCTION TO COMPUTING (PACE UNIVERSITY CIS 101)** - This Computer Information Systems 101 course will provide students with guided hands-on exercises with a variety of computer-based tools through two hours of structured computer lab. The hands-on portion of the course will give the student direct experience with an application package (MS Excel), web development (HTML), and computer programming (Alice). The concepts portion will consist of weekly readings from the text, weekly threaded discussions, lecture notes and other assignments. It will cover basic computer hardware and software topics, computer careers, and computers and society. The two hours of lecture and discussion will promote understanding of the fundamental principles of information technology so that students will be prepared for the new systems and tools of the future. *(1/2 unit, 3 college credits)*

**PRINCIPLES OF SPORTS MANAGEMENT (695)**  
**(ST. JOHN'S UNIVERSITY SPM 1001)** - This introduction to the professional area of sport management discusses basic philosophy and principles of sport at all levels. The term 'sport' refers to all recreational competitive sports, exercise and fitness activities and dance. Management encompasses the activities associated with administration, supervision and leadership. (1 semester course, 1/2 MLS credit, 3 college credits)

**CURRENT ISSUES IN SPORT (696) (ST. JOHN'S UNIVERSITY CJ 101)**  
- This course is a comprehensive introduction of the Criminal Justice System, including the roles and responsibilities within the Criminal Justice system - the police, courts and corrections. The impact of the three branches of the government: legislative, executive and judicial are explored at the federal and state levels. Topics include the purpose, organization, structure and limitations of the criminal law, definitions of specific crimes, the organization of the court system, and the processing of criminal cases from an investigation or arrest, prosecutorial review, and various judicial stages including plea bargaining, trial, adjudication, appeal and correctional system. Federal and state Constitutional rights of the accused and the roles of key players in the judicial process are studied. This introductory course provides a solid foundation of our system of justice and provide a historical context of our criminal justice system and current trends and developments in the field. *(1 semester course, 1/2 MLS credit, 3 college credits)*

### **INTRODUCTION TO CRIMINAL JUSTICE (691)**

**(MONROE UNIVERSITY CJ-101)**- This course is a comprehensive introduction to the Criminal Justice System, with emphasis on the roles and responsibilities of the police, courts, and corrections. It explores the impact of the three branches of the government at the federal and state levels. Federal and State Constitutional rights of the accused and the roles of key players in the judicial process are studied. This introductory course provides a solid foundation of the United States Criminal Justice system and provides a historical context for the examination of current trends and developments in the field.

### **FOOD AND NUTRITION (465) (Concordia College BIO 255 )**

Basic food types and composition of major food substances. Methods of processing and preserving foods. General nutritional requirements of humans. Effects of processing on the nutritional value of foods. Effects of dieting, overeating and starvation on the general health of humans. Permission of instructor is required. (1 semester course, no lab period, 1/2 MLS credit, 3 college credits.)

### **CONSERVATION AND POLLUTION OF BIOLOGY (462)**

**(Concordia College BIO 226)**: A study of the environmental problems facing humankind today as a result of human carelessness and ignorance: use of insecticides, solid waste disposal, water pollution, air pollution, noise pollution, radiation poisoning, and the politics and economics of pollution. Permission of instructor is required. (1 semester course, no lab period, 1/2 MLS credit, 3 college credits.)

## **2019-2020 Course Catalog**

### **Introduction to Computing (Pace University CIS 101)**

*1 semester: 0.5 credit, 3 college credits*

The Computer Information Systems 101 course will provide students with guided, hands-on lab exercises with a variety of computer-based tools along with traditional conceptual instruction. The hands-on portion of the course will give students direct experience with an application package (MS Excel), web development (HTML), and computer programming (Alice). The concept portion will consist of weekly readings from the text, threaded discussions, lecture notes, and other assignments. It will cover basic computer hardware & software topics, computer careers, and computers & society. Lectures and discussion will promote understanding of fundamental principles of info technology so students will be prepared for new systems & tools of the future.

## **Principles of Sports Management (695)**

**(St. John's University SPM 1001)**

*1 semester: 0.5 credit, 3 college credits*

This introduction to the professional area of sport management discusses basic philosophy and principles of sport at all levels. The term 'sport' refers to all recreational competitive sports, exercise and fitness activities, and dance. Management encompasses the activities associated with administration, supervision, and leadership.

## **Current Issues in Sport (696) (St. John's University SPM 1003)**

*1 semester: 0.5 credit, 3 college credits*

This introduction to the professional area of sport management discusses specific social, ethical, and psychological principles of sport at all levels. The term 'sport' refers to all recreational competitive sports, exercise and fitness activities as well as dance. Management encompasses the activities associated with administration, supervision and leadership.

The current state of organized Athletic activity in the US is the background for discussion of topical issues and concerns such as violence, drug abuse, recruiting practices, the role of media, labor relations. Credit: 3 semesters hours.

## **Introduction to Criminal Justice (691) (Monroe University CJ-101)**

*1 semester: 0.5 credit, 3 college credits*

This course is a comprehensive introduction to the Criminal Justice System with emphasis on the roles and responsibilities of the police, courts, and Corrections. The course explores the impact of the three branches of the government at the Federal and State levels. Study also includes Federal and State Constitutional rights of the accused and the roles of key players in the judicial process. This introductory course provides a solid foundation of the United States Criminal Justice system and provides an historical context for the examination of currents trends and developments in the field.

## **Earth History (464) (Concordia College ESC 231)**

*1 semester: 0.5 credit, 3 college credits*

This is an examination of geological evidence pertaining to the proposed theories of the origin, evolution, and history of life on earth. Emphasis is placed on life forms that have existed, the geologic period in which they lived, and major geologic events.

## **Elements of Inorganic, Organic, and Biochemistry (Concordia College CHM 171)**

*1 semester: 0.5 credit, 3 college credits*

This is an introduction to inorganic, organic, and biological chemistry. The basic concepts of inorganic and organic chemistry are applied to the chemistry of living organisms, in particular the human body. Topics selected are appropriate for students outside the program, especially those interested in the field of education and health sciences.

## **Human Anatomy and Physiology (Concordia College BIO 125)**

*1 semester: 0.5 credit, 3 college credits (pending)*

This is an introduction course in human anatomy and physiology. Topics covered include tissues, translocation of materials, muscle and nerve physiology, blood and circulatory system, respiration, digestion and metabolism, endocrine and renal secretion, the nervous system, and reproduction.

### **2018-2019 Honors and AP Classes**

#### **English 10 Honors: Grammar, Genre, & Composition (131)**

*1 credit. Prerequisite: 85% in English 9 and teacher approval.*

Along with the regular English 10 curriculum, students in this class will focus heavily on writing skills and be challenged with projects and enhancement activities.

#### **English 11 Honors: American Literature (151)**

*1 credit. Prerequisite: 85% in English 10 or English 10 Honors and teacher approval.*

Along with the regular English 11 curriculum, the class will be challenged with a variety of projects and other enhancement activities. Students will take the English Regents Exam during the course.

#### **English 12: Honors (180)**

*1 credit. Prerequisite: 85% in English 11 or English 11 Honors and teacher approval.*

This honors course combines the study of British literature with composition. In addition to studying major British works and at least two major novels, students will write frequently, allowing them to review selected aspects of mechanics, grammar, and writing styles. Students have the option to take the AP Exam for English Literature and Composition.

### **Algebra I Honors (345)**

*1 credit*

This study of algebra emphasizes logical thinking and problem-solving skills. Students in this class studied basic algebra in a previous course. The goal for the course is that students will learn to think mathematically, which will help them throughout their lives. This honors-paced course will cover topics including linear and quadratic equations, inequalities, exponential functions, coordinate geometry, right-triangle trigonometry, data analysis, and statistics. At the end of this course, students will take the Algebra 1 Regents.

### **Geometry Honors (343)**

*1 credit*

This course of study is for honors-level students who already have a firm grasp of algebra concepts from a previous course. Study emphasizes logical processing, spatial ability, and problem-solving skills. This honors-paced course will cover topics including lines, planes, locus, area, transformation, volume, and geometric proof. At the end of this course, students may take the Geometry (Common Core) Regents.

### **Algebra II & Trigonometry Honors (354)**

*1 credit*

This course is intended for honors-level students. The course material includes the complex number system, relations and functions, rational and radical functions, transformation, probability and statistics, regression models, quadratics, exponential and logarithmic functions, and trigonometry. At the end of this course, students may take the Algebra 2 Regents.

### **Pre-Calculus Honors (375)**

*1 credit*

This is an honors-level course designed for students interested in preparing for a college-level calculus class. Topics include the study of functions and their inverses, real and complex numbers, equations and inequalities, trigonometry including applications of trigonometry, exponential and logarithmic functions, sequences and series, and an introduction to calculus--which includes limits, continuity, derivatives, and applications of derivatives. Additional topics may include polar coordinates and/or discrete mathematics.

**AP Calculus AB (386)**

*1 credit. Could result in college credit.*

*Prerequisite: Pre-Calculus Honors or permission of department chair.*

This college-level honors course will cover the topics set out by the College Board for the AP Calculus AB exam, which students may choose to take when it is offered in May.

**United States History Honors (255)**

*1 credit. Prerequisite: permission of department chair.*

This course is designed to provide students a college preparatory experience, develop analytic and critical thinking skills, and increase factual knowledge of issues, themes, and events in U.S. History. The scope of the course will include a broad survey of information from pre-Columbian America to the early 21<sup>st</sup> century. Students will explore these topics through the analysis of key themes throughout the year. At the end of this course, students will take the US History Regents.

**AP German (572)**

*1 credit. Could result in college credit. Prerequisite: departmental approval required*

This course is conducted entirely in German. Practical applications of the four basic skills: reading, writing, listening and speaking are interspersed throughout the curriculum. The AP German Language and Culture Exam will be offered in May for those in the class.