

Year One Career Development Series Courses

FALL COURSE OFFERINGS:

ACCT 101 Financial Accounting, 3 credits

Introduction to the basic concept and techniques emphasizing the important of accounting as a basis for decision-making by business people, investors and government officials and an analysis of business problems in which accounting issues are dominant elements. The basic structure of accounting systems and controls, working capital, accounting problems of the corporate entity, long term resources and depreciation, forms of business organization.

Recommended to use a PC or Mac for course activities.

CPSC 101 Introduction to Computer Science, 3 credits

Introduction to the basic concepts and techniques of how computers are used to help solve problems with emphasis on quantitative reasoning applications in science, business and other areas of life; discussion of components of a complete computer system, including equipment, programs, data, procedures, and personnel; applications packages, online and web resources. No prior exposure to computers is assumed.

Recommended to use a PC or Mac for course activities.

PUBH 111 Introduction to Health, Wellness and Disability, 3 credits, Dr. Kerri Golden

This course will include an exploration of personal health factors and dimensions of wellness, and examination of introductory community-based health indicators. Students will be encouraged to consider their existing view of what constitutes health and wellness beyond just physical abilities. Students will also explore careers in health care.

SPRING COURSE OFFERINGS:

ENGR 111 Introduction to Engineering and STEM, 3 credits

Through a series of real-world projects students will experience the engineering design process, solving engineering problems, use of drawing and design software tools, functioning within multidisciplinary teams, consideration of professional and ethical responsibility, project management, technical writing and verbal communication, creating reports and presentations. Projects will be chosen to integrate engineering disciplines and concepts; typical examples include launching pumpkins, building arduino-based environmental sensors, or using 3-D printing to create scale-models of buildings.

Recommended to use a PC or Mac for course activities.

MKTG 101 Introduction to Marketing, 3 credits

Nature and work of marketing management which organizes, directs and controls the functional specialties of marketing. Principles, trends and policies of marketing environment, governmental regulation, marketing research, and social evaluation.

PUBH 101 Introduction to Public Health, 3 credits

This informative course serves as an overview of public health and is the initial book-end course in the major. This course is designed to give the learner the principles of population health, history, health professions, acute care institutions and public health systems, tools of public health, health informatics, preventing disease and disability, finding reliable data, basic statistical measures used in public health, social and behavioral factors, environmental issues, medical care, and the future of public health. Students will discuss the impacts of current issues in public health and student the impacts of healthcare reform.

Year Two Career Development Series Courses

FALL COURSE OFFERINGS: (These would be offerings for students who participated in Year One of the program.)

BUSA 103 Advanced Excel with Business Applications, 3 credits

With its tremendous ability to analyze data to create and communicate a wealth of information, Excel is the industry-standard spreadsheet application in the world of business. This course will provide students with practical hands-on experience applying Excel's most advanced and sophisticated features to business applications.

Recommended to use a PC or Mac for course activities.

COMM 105 Media Literacy and Society, 3 credits, Dr. Patrick Farabaugh

An overview of the nature of the various communications media and their role in society; the relationship between the media and their effect(s) on society. In today's global, multi-media culture, a more sophisticated type of literacy is required, one that is more thoughtful and critical in our engagement with the media that inform and entertain us. This course will explore how the media shape our lives and how we shape the media.

EDUC 150 Educational Psychology, 3 credits

This course addresses education from three perspectives: students, learning and teaching. Topics of student include human development, the psychological basis of learning and behavior, classroom management, assessment, and appropriate instructional strategies for diverse populations. Course projects and experiences incorporate multiculturalism, discipline, motivation, and teaching in the least restrictive environment.

Prerequisite: PSYC 101 (May be waived for this population)

PUBH 110 Concepts of Health and Disease, 3 credits

This course will provide an introduction to contemporary concepts in human health and disease. The course will begin with a brief introduction to historical theories of health and disease, foundational elements of epidemiology, and basic concepts of biomedical science. The student will learn the causes, impacts and treatment of infectious and non-infectious diseases, the nation's most prevalent chronic conditions and how they drive rising healthcare costs. The student will learn the differences in teaching and presenting preventive public health information to the public versus scientific information to health professionals through exploring several projects.

Prerequisite: PUBH 101

SPRING COURSE OFFERINGS: (These would be offerings for students who participated in Year One of the program.)

ACCT 102 Managerial Accounting, 3 credits

Use of accounting information as a tool for managerial decision-making, measurement and control of costs, cost-volume-profit analysis, budgeting, and performance analysis. Examination of accounting for manufacturing concerns, and the differences between external and internal reporting.

Recommended to use a PC or Mac for course activities.

CPSC 110 Computer Programming with Business Applications, 3 credits

Introduction to the basic principles of computer programming and the application of programming solving business-oriented problems. Topics include algorithm development, basic control structures, procedures, arrays, records, graphic user interface design, and file processing.

Applications in Visual basic will be included. No prior exposure to computer programming is assumed.

Recommended to use a PC or Mac for course activities.

EDUC 231 Child Development, 3 credits

This course addresses physical, psychological, cognitive and affective human development from birth through age 8; emphasis is placed on pre-k to age 8. Included in this course is consideration of the development of the young ELL, children with disabilities and those children who come from diverse backgrounds. Health-related issues are discussed.

Prerequisite: PSYC 101 (*May be waived for this population*)

PUBH 401 Global Health, 3 credits

This course will present an extensive depiction of global health in the context of prioritizing health improvement as well as achieving equity in physical health and health policy for all people worldwide. Students will be given opportunities to determine and demonstrate an understanding of the challenges facing global health. Students will demonstrate an understanding of why challenging and solving global health and policy issues are potentially important ways to decrease the incidence of poverty, build stronger economies and promote world peace. Through extensive use of case studies from around the world, students will be exposed to the mechanisms of major communicable and non-communicable diseases and be given the opportunity to develop rationales regarding ways in which socioeconomic and demographic differences can influence the burden of disease.

Prerequisite: PUBH 101