Peninsula College Fall 2020 Class Schedule

Accounting
Program Coordinator, Dr. Jill Snyder, jsnyder@pencol.edu
Webpage https://pencol.edu/proftech/business-administration

ACCT& 201 PRINCIPLES OF ACCOUNTING I 5
Emphasis on nature of accounting as a system of information for decision making. Specific topics include basic financial statements, the accounting cycle, forms of business organization, financial assets, inventories, and depreciation. Prerequisite: MATH 91 or AMATH 121 or concurrent enrollment. (E)
6164 COL ONLINE Snyder S, ssnyder@pencol.edu

Addiction Studies
Program Coordinator, Stacie Bell, sbell@pencol.edu
Webpage https://pencol.edu/proftech/addiction-studies

HSSA& 101 INTRO TO ADDICTIVE DRUGS 5
Definitions of alcohol and other drug use and abuse; alcoholism and other addictions; history and types of chemical dependency; impact on individual, family, and society. (E)
7620 PU 03:45PM-08:45PM W ZOOM Bell S, sbell@pencol.edu

HSSA 105 PHYS/PHARM-ALCOHOL/DRUGS 5
Physical effects of alcohol and other drugs on the body. Designed to meet primary certification requirements for chemical dependency counseling.
7609 PU 06:45PM-09:15PM MT ZOOM Lapin A, alapin@pencol.edu

HSSA 165 CHEM DEPEND ETHICS 3
Principles and rules of conduct of ethical standards essential for CD profession, including nondiscrimination, responsibility, competence, legal and moral standards, client welfare, confidentiality, client relationships, and interprofessional conduct. Prerequisite: Permission of instructor.
7610 PU 03:45PM-06:45PM T ZOOM Bell S, sbell@pencol.edu

HSSA 190 DBHR HIV/AIDS 1
Education about HIV/AIDS, focusing on prevention, transmission of virus, health, community, and self-awareness. Prerequisite: Permission of instructor. Tuition: $98.75 no refund after class meets.
7611 PU 06:00PM-09:00PM F ZOOM Lapin A, alapin@pencol.edu
09:00AM-05:00PM Sa ZOOM Lapin A, alapin@pencol.edu
Class meets 10/02/2020 and 10/03/2020.
**HSSA 232  MENTAL HEALTH ISSUES-CDP  3**
Familiarizes chemical dependency counselors with language and basic concepts of mental health disorders as they present in the dually diagnosed patient. Provides opportunity to assess and plan interventions for such patients involving introduction to motivational interviewing. Prerequisites: HSSA 101 and HSSA 150.
7614  PU  05:45PM-08:45PM  Th  ZOOM  Diltz S, sdiltz@pencol.edu

**Administrative Office Systems**

Program Coordinator, Sherry Sparrowk, ssparrowk@pencol.edu
Webpage https://pencol.edu/proftech/administrative-office-systems

**AOS 101  DIGITAL LITERACY  5**
Computer concepts content focuses on what skills are needed to be successful digital citizens in college and beyond. Introduction to word processing, spreadsheets, presentations and databases. Additional topics: the Internet, computers and mobile devices, programs and web apps, digital safety and security. Interactive training and skill-based assessments are completed in a virtual environment; projects are based on real-world business situations. Recommended: Touch keyboarding skills.
7215  AU  11:00AM-12:00PM  TTh  ZOOM  Sparrowk S, ssparrowk@pencol.edu

**AOS 105  WORD PROCESSING APPL I  5**
Develop beginning through intermediate word processing skills in Microsoft Word and associated technologies. Create, edit, format documents and tables; use themes and building blocks, illustrate documents with graphics, merge data sources and documents. Interactive training and skill-based assessments are completed in a virtual environment; projects are based on real-world business situations. Integration with cloud computing. Recommended: Touch keyboarding skills.
7216  AU  12:30PM-01:30PM  TTh  ZOOM  Sparrowk S, ssparrowk@pencol.edu

**AOS 110  MEDICAL TERMINOLOGY I  5**
Systems approach to the study of selected roots, prefixes, and suffixes; principles of word building; study of diagnostic, operative, and symptomatic terms of body systems. Emphasis on accurate spelling and pronunciation of all medical terms. Strong component of the course is related to common medical abbreviations, selected eponyms, clinical laboratory procedures, and radiology procedures with associated terminology for each body system.
6222  COL ONLINE  Beth Fetrow, bfetrow@pencol.edu

**AOS 205  WORD PROCESSING APPL II  5**
Develop advanced word processing skills in Microsoft Word and associated technologies. Create multipage and research papers; apply automated functions; collaborate and share documents, build electronic forms, apply advanced graphical tools. Interactive training and skill-based assessments are completed in a virtual environment; projects are based on real-world business situations. Integration with cloud computing. Prerequisite: AOS 105 or CAT 130
6225  COL ONLINE  Sparrowk S, ssparrowk@pencol.edu

Register Today at https://pencol.edu/GetStarted
AOS 285  HLTHCARE DOCUMENTATION I  5
Beginning healthcare documentation course designed to develop skills in transcribing and/or editing of authentic healthcare documents, incorporating basic-level skills in English language, technology, medical knowledge, proofreading, editing, and research. Taught in online format; ability to download and play digitized reports required. Prerequisites: AOS 110 and AOS 111 (or MED 102).
6228  COL   ONLINE     Sparrowk S, ssparrowk@pencol.edu

AOS 286  HLTHCARE DOCUMENTATION II  5
A second healthcare documentation course designed to refine dictation and/or editing skills in proofreading, medical terminology, and speech recognition while progressively increasing accuracy and productivity standards. Taught in an online format; ability to download and play digitized reports required. Prerequisite: AOS 285.
6230  COL   ONLINE     Sparrowk S, ssparrowk@pencol.edu

Art
Division Chair, Dr. David Jones, djones@pencol.edu

ART 104  DRAW: METHODS/MATERIAL  5
Intensive study of line, value, perspective, and form, using various drawing mediums that offer a new way of seeing through investigation of visual language of drawing. (H)
6287  COL   ONLINE     Miller Paul, M, mpmiller@pencol.edu

ART 110  INTRO TO PAINTING  5
Painting from past through present. Exploration of beginning painting techniques, concepts, composition problems. (H)
6295  COL   ONLINE     Miller Paul, M, mpmiller@pencol.edu

ART 126  HISTORY OF ART I  5
The art of ancient civilizations, beginning with Paleolithic cave painting and megalithic monuments. Indian, Chinese, Japanese, Mesopotamian, Egyptian, Minoan, Greek, Etruscan, Roman, Early Christian, and Byzantine artistic traditions are studied in light of their cultural origins. Illustrated lectures. (H)
6283  COL   ONLINE     Miller Paul, M, mpmiller@pencol.edu

ART 205  INTERMED PAINTING  5
Painting from past through present. Exploration of intermediate painting techniques, concepts, composition problems. Prerequisite: ART 110 or permission of instructor. (E)
6294  COL   ONLINE     Miller Paul, M, mpmiller@pencol.edu

ART 206  ADVANCED PAINTING  5
Continues technical, formal and critical aspects of painting, with an emphasis on more personal point of view in aesthetic presentation. Encourages more freedom and responsibility in work. Prerequisite: ART 205 of permission of instructor. (E)
6293  COL   ONLINE     Miller Paul, M, mpmiller@pencol.edu
ART 224  INTRO TO CERAMICS: HAND  5
This course is an introduction to ceramics based materials and creative process, with emphasis on personal expression through diverse practices. Students create a series of projects utilizing a variety of traditional and innovative hand building techniques and processes to create three-dimensional sculptural forms. (H)
6271  AU 01:30PM-03:40PM  TTh  ZOOM  McClellan, S, SMcClellan@pencol.edu

ART 225  INTRO TO CERAMICS: WHEEL  5
This course is an introduction to ceramics materials and creative processes, using the potter’s wheel. Students create a series of projects utilizing a variety of traditional and innovative throwing techniques and firing processes to create functional forms. (H)
6242  AU 10:20AM-12:30PM  T  ZOOM  Belz, S, sbelz@pencol.edu

ART 226  INTERMED CERAMICS: HAND  5
This course helps students advance their ceramic-based techniques and concepts through studio work, art theory, processes, and personal expression. The focus of the course is determined by student interests and will include a diverse offering of sculptural and functional theories and approaches to making.
Prerequisite: ART 224 or permission of instructor. (E)
6273  AU 01:30PM-03:40PM  TTh  ZOOM  McClellan, S, SMcClellan@pencol.edu

ART 227  INTERMED CERAMICS: WHEEL  5
This course helps students advance their ceramic-based techniques and concepts through studio work, art theory, processes, and personal expression. The focus of the course is determined by student interests and will include a diverse offering of sculptural and functional theories and approaches to making.
Prerequisite: ART 225 or permission of instructor. (E)
6245  AU 10:20AM-12:30PM  T  ZOOM  Belz S, sbelz@pencol.edu

ART 260  SPECIAL TOPIC IN STUDIO ART I 1-5
The focus of the course is determined by student interests and will include a diverse offering of special topics in the advanced study of ceramics. This course helps students advance techniques and concepts through studio work, art theory, processes and personal expression. Permission of instructor. (E)
6248  AU 10:20AM-12:30PM  T  ZOOM  Belz S, sbelz@pencol.edu
6250  BU 01:30PM-03:40PM  TTh  ZOOM  McClellan S, SMcClellan@pencol.edu

ART 261  SPECIAL TOPICS IN STUDIO ART II1-5
The focus of the course is determined by student interests and will include a diverse offering of special topics in the advanced study of ceramics. This course helps students advance techniques and concepts through studio work, art theory, processes and personal expression. Permission of instructor. (E)
6257  AU 10:20AM-12:30PM  T  ZOOM  Belz S, sbelz@pencol.edu
6259  BU 01:30PM-03:40PM  TTh  ZOOM  McClellan S, SMcClellan@pencol.edu

ART 262  SPECIAL TOPICS IN STUDIO ART III1-5
The focus of the course is determined by student interests and will include a diverse offering of special topics in the advanced study of ceramics. This course helps students advance techniques and concepts through studio work, art theory, processes and personal expression. Permission of instructor. (E)
ART& 100 ART APPRECIATION 5
Study of two and three-dimensional art concepts. Lectures and selected art projects. (H)
6291 COL ONLINE Belz S, sbelz@pencol.edu

Astronomy
Division Chair, Dr. Brian Hauge, bhauge@pencol.edu

ASTR& 100 SURVEY OF ASTRONOMY 5
Introduction to the universe, with emphasis on conceptual, as contrasted with mathematical, comprehension. Modern theories and observations; ideas concerning nature and evolution of galaxies; quasars, stars, black holes, planets, and solar system. (NS)
6566 COL 09:10AM-10:10AM TWThF ZOOM Zirul J, jzirul@pencol.edu

Bachelor of Applied Science in Management
Program Director, Amy Williamson, awilliamson@pencol.edu
Webpage https://pencol.edu/bas

BAS 301 MANAGERIAL ACCOUNTING 5
This course is intended for students in the Bachelor of Applied Science (BAS) in Applied Management program where understanding the basic principles of financial and managerial accounting is essential in the successful execution of management responsibilities. The course defines financial statement interrelationships, financial analysis, product costing, budgetary control systems, and information reporting for the planning, coordinating, and monitoring of the performance of a business.
6632 COL ONLINE Snyder J, jsnyder@pencol.edu

BAS 315 MANAGEMENT, LEAD, ORG 5
(Formerly BAS 310) People no longer work for a single organization for the duration of an entire career. With access to social media and the increased transparency into the quality of management and leadership in organizations, people can be more selective in the organizations they choose to work for. Additionally, society is placing an increasing value on work/life balance, diversity, and organizational justice. Entrepreneurs are experimenting with a variety of organizational structures that differ from the dominant pyramid structure with a single focus on shareholder value. In this course, students will learn management, leadership, and problem-solving techniques and be exposed to a variety of organizational cultures and structures. Learning about the variety of management and leadership styles and organizations allows students to determine what type of manager or leader they want to be or work for and what type of organization they want to work in.
6636 COL ONLINE Rawley R, rrawley@pencol.edu

Register Today at https://pencol.edu/GetStarted
BAS 340  APPLIED FINANCIAL MGMNT  5
An introduction to the application of financial management principles. Includes the analysis of financial statements for planning and control, cash and capital budgeting, risk and return, capital structure, and financing the short and long-term requirements of the firm. Students will apply basic tools and techniques used to value a firm, evaluate, and fund prospective investment opportunities. Prerequisite: BAS 301 or permission of instructor.
6638  COL  ONLINE  Snyder J, jsnyder@pencol.edu

BAS 380  PROJECT MANAGEMENT  5
In management, projects are major undertakings that have a limited duration (i.e., finite completion point) and, as such, require a unique approach for administration. Course covers the theory and practice of project management in the context of technical and human resource constraints. Students learn to apply the knowledge, skills, tools, and techniques for project activities necessary to meet project requirements through the use of software and the approaches prescribed by the PMBOK.
6640  COL  ONLINE  Rawley R, rrawley@pencol.edu

BAS 390  HUMAN RESOURCE MGMNT  5
This course explores human resource management as a way to achieve high levels of organizational performance. In this class, we will evaluate the strategic importance, ethical issues, and organizational impact related to the following areas of human resources; talent acquisition and talent management; organizational development; the legal environment of business; global HR; training and development; diversity; and total rewards (compensation and benefits).
6642  COL  ONLINE  Atkinson L, latkinson@pencol.edu

Biology
Division Chair, Dr. Brian Hauge, bhauge@pencol.edu

BIOL 283  NATIVE PLANT: FALL  2-3
Learn how to propagate native plants for local restoration projects. Through hands on training, students will propagate native plants from seed and live cuttings. Plants produced for this class will be used for various revegetation projects in the Olympic National Park and other Olympic Peninsula restoration projects. The fall session will focus on seed ecology, seed collection, seed cleaning and methods for breaking seed dormancies. BOT 101 recommended but not required. (E)
6663  AU  09:00AM-11:00AM  M  ARR  Blackie B, bblackie@pencol.edu
6664  AUC  ARRANGED
Classes will be meeting off campus. Location to be announced.

BIOL& 100  SURVEY OF BIOLOGY  5
Introduction to the structural and functional characteristics of life. Surveys the evolutionary, ecological, cellular, and genetic biology of living organisms. Prerequisites: Eligibility for both ENGL& 101 and MATH 90/91. (NS)
6667  COL  ONLINE  Zwenger S, szwenger@pencol.edu
6668  COLL  ONLINE  Zwenger S, szwenger@pencol.edu

Register Today at https://pencol.edu/GetStarted
**BIOL& 160  GENERAL BIOLOGY  5**  
Includes process of science, overview of central ideas of biology (unity, diversity, interdependence, evolution), basic chemistry concepts biomolecules, cell structure, cell physiology (including enzyme function, energetics synthesis of DNA, RNA and protein), cell reproduction, introduction to genetics.  
Prerequisites: Eligibility for both ENGL& 101 and MATH 90/91. (NS)  
6928  AU  ONLINE  Zwenger S, szwenger@pencol.edu  
6934  BU  ONLINE  Zwenger S, szwenger@pencol.edu  

**BIOL& 221  ECOLOGY AND EVOLUTION  5**  
First course in the three-quarter sequence of introductory biology for science students. An introduction to evolutionary and ecological processes involved in the generation of our planet’s biodiversity, including a review of patterns and processes that influence the origin, evolution, distribution, and abundance of living things. Prerequisites: placement into college-level English (ENGL& 101) and prerequisite or concurrent MATH 98/99 or higher. (NS)  
7206  AU  ONLINE  Hauge B, bhauge@pencol.edu  
7207  AUL  ONLINE  Hauge B, bhauge@pencol.edu  

**BIOL& 241  HUMAN AND ANATOMY & PHYS  5**  
Structure and function of the human body. Homeostasis; tissues; integumentary, skeletal, nervous, and muscular systems. Prerequisites: Eligibility for both ENGL& 101 and MATH 90/91; 2.0 or higher in BIOL& 160 (BIOL& 222 may substitute for BIOL& 160). (NS)  
7107  AU  ONLINE  Hauge B, bhauge@pencol.edu  
7109  BU  ONLINE  Hauge B, bhauge@pencol.edu  

**Botany**  
Division Chair, Dr. Brian Hauge, bhauge@pencol.edu  

**BOT 101  INTRO TO BOTANY  5**  
Introduction to general plant biology. Anatomy, physiology, and diversity of common protists, fungi, and plants, with emphasis on plants of the Pacific Northwest. Prerequisites: Eligibility for both ENGL& 101 and MATH 90/91. (NS)  
8475  JU  03:00PM-05:00PM  MTh  ZOOM  Blackie B, bblackie@pencol.edu  
8476  JUL  ARRANGED  Blackie B, bblackie@pencol.edu  

**Business**  
Program Coordinator, Dr. Jill Snyder, jsnyder@pencol.edu  
Webpage https://pencol.edu/proftech/business-administration  

**BUS& 101  INTRO TO BUSINESS  5**  
Introduction to local, national, and global business systems and the external and internal environmental
forces affecting these systems. Conceptually defines marketing, management, finance, accounting, business law, information technology, human resources, and entrepreneurship. (E)

7122 COL ONLINE Snyder J, jsnyder@pencol.edu

BUS 220 INTERNATIONAL BUSINESS 5
National/international business environments are explored through examinations of business relationships between nations, corporations, and economic institutions. Students examine the global marketplace with an entrepreneurial and small business focus. Aspects of the cultural, political, legal, and economic issues in international business and their role in the business strategic plan are explored. Planning and organizing international operations are integrated with the study of analyzing international business opportunities.

7119 COL ONLINE Snyder J, jsnyder@pencol.edu

BUS 247 PAYROLL & BUSINESS TAXES 5

7120 COL ONLINE Snyder J, jsnyder@pencol.edu

BUS 282 PRINCIPLES OF MARKETING 5
Examines role of marketing in the general mix of business activities and the marketing processes that develop products and services. Describes consumer and organizational decision making and discusses methods and techniques for market research, target markets, market segmentation, product planning, distribution, promotion, and pricing.

7121 COL ONLINE Williams J, jwilliams@pencol.edu

Chemistry

Division Chair, Dr. Brian Hauge, bhauge@pencol.edu

CHEM&121 INTRO TO CHEMISTRY 5
For individuals with little or no chemistry background. Atomic nature of matter, chemical bonding, periodic table, chemical reactions, phases of matter, solutions, equilibrium, reaction rates, and nuclear reactions. Includes a lab. Prerequisites: MATH 98/99, MATH& 141, MATH& 142, OR MATH 151; eligibility for ENGL& 101. (NS)

7231 COL ONLINE Nattinger K, knattinger@pencol.edu
7232 COLL

CHEM&131 INTRO TO ORG/BIOCHEM 5
Presents organic chemistry and biochemistry, with emphasis on functional groups, synthesis, and biochemical applications. Prerequisites: Eligibility for ENGL& 101; MATH 98/99 or higher; 2.0 or higher in high school chemistry or CHEM& 121; or permission of instructor. (NS)

7233 AU 11:30AM-12:30PM TWThF ZOOM Jones N, njones@pencol.edu
7234 AUL 01:30PM-04:50PM Th ZOOM

Register Today at https://pencol.edu/GetStarted
CHEM&161  GENERAL CHEM w/LAB I  5
For science and engineering majors. Atomic nature of matter, stoichiometry, chemical reactions, periodic table, gas laws, thermos chemistry, and quantum concepts. Three hours of lecture and four hours of lab. Prerequisites: Eligibility for ENGL& 101; MATH 98/99 or higher; 2.0 or higher in high school chemistry or CHEM& 121; or permission of instructor. (NS)

7235  AU  08:00AM-09:00AM  TTh  ZOOM  Jones N, njones@pencol.edu
7236  AUL  01:30PM-04:50PM  T  ZOOM
7237  BU  ONLINE  Jones N, njones@pencol.edu
7238  BUL  01:30PM-04:50PM  W  ZOOM

College Success
Dean, Dianna Chiabotti, dchiabotti@pencol.edu

COLL  101 COLLEGE SUCCESS  5
In this course, you will get your college career off to a strong start by exploring how to turn your interests and talents into an exciting plan for your future career and academic success. Together we will look at the latest research on how learning works and on the habits and strategies of successful people. You will apply this knowledge toward developing your own personalized plan for success in college and in life. If you aren’t sure of the direction you want to take, this course will help you explore and choose a path. Get ready for challenging readings, great discussions, and time to reflect on what you really want out of your college career. (E)

7283  OL3  ONLINE  Scouen M, mscouen@pencol.edu
7285  BU  ARRANGED  ZOOM  Reavey K, kreavey@pencol.edu
7290  COL  ONLINE  Anderson K, kanderson@pencol.edu
7291  OL2  ONLINE  Crumb A, acrumb@pencol.edu
7287  CU  10:00AM-11:00AM  T  ZOOM  Hughes J, jhughes@pencol.edu

Communication Studies
Division Chair, Dr. David Jones, djones@pencol.edu

CMST& 102  INTRO TO MASS MEDIA  5
Examines vital issues for people who use mass media or are affected by it. Emphasis on freedom of expression, censorship, fair trial, privacy, ethics, law, media economics, technology, effectiveness in communicating to audiences, and relationships to social, cultural, and political values in the United States and throughout the world. (H)

7268  COL  ONLINE  Riski R, rriski@pencol.edu

CMST& 210  INTERPERSONAL COMMUNICATION  5
Interpersonal communication theory and practice is explored in this class in regards to both dyad and group settings. Communication-as-process is explored through analysis of several areas, including: perception,
listening, self-disclosure, speech apprehension, ethics, nonverbal communication, conflict, power, and dysfunctional communication relationships. Prerequisite: ENGL& 101 or permission of instructor. (H)

7270 COL ONLINE Starcevich L, lstarcevich@pencol.edu

CMST & 220 PUBLIC SPEAKING 5
Explores classic and modern elements of persuasion and applies that understanding to assemble, deliver, and evaluate extemporaneous speeches. Eligibility for or concurrent enrollment in ENGL& 101 recommended. (H)

7269 OL2 ONLINE Starcevich L, lstarcevich@pencol.edu

CMST 286 INTRO TO NEWSPAPER PROD I 3
Theory and application of principles for supervising a publication, from planning to preparation for printer. Emphasis on effective collaboration, management, news judgment, ethical decision making, editing, design, and use of computers to produce student newspaper. More advanced students file staff management roles on the newspaper. Permission of instructor required.

7256 AU 01:30PM-2:30PM TTh ZOOM Riski R, rriski@pencol.edu

CMST 287 INTRO TO NEWSPAPER PROD II 3
Theory and application of principles for supervising a publication, from planning to preparation for printer. Emphasis on effective collaboration, management, news judgment, ethical decision making, editing, design, and use of computers to produce student newspaper. More advanced students file staff management roles on the newspaper. Permission of instructor required.

7258 AU 01:30PM-2:30PM TTh ZOOM Riski R, rriski@pencol.edu

CMST 288 INTRO TO NEWSPAPER PROD III 3
Theory and application of principles for supervising a publication, from planning to preparation for printer. Emphasis on effective collaboration, management, news judgment, ethical decision making, editing, design, and use of computers to produce student newspaper. More advanced students file staff management roles on the newspaper. Permission of instructor required.

7260 AU 01:30PM-2:30PM TTh ZOOM Riski R, rriski@pencol.edu

CMST 291 INTRO TO NEWSPAPER PROD IV 3
Theory and application of principles for supervising a publication, from planning to preparation for printer. Emphasis on effective collaboration, management, news judgment, ethical decision making, editing, design, and use of computers to produce student newspaper. More advanced students file staff management roles on the newspaper. Permission of instructor required.

7262 AU 01:30PM-2:30PM TTh ZOOM Riski R, rriski@pencol.edu

CMST 292 INTRO TO NEWSPAPER PROD V 3
Theory and application of principles for supervising a publication, from planning to preparation for printer. Emphasis on effective collaboration, management, news judgment, ethical decision making, editing, design, and use of computers to produce student newspaper. More advanced students file staff management roles on the newspaper. Permission of instructor required.

7264 AU 01:30PM-2:30PM TTh ZOOM Riski R, rriski@pencol.edu

Register Today at https://pencol.edu/GetStarted
CMST 294  INTRO TO NEWSPAPER PROD VI  3
Theory and application of principles for supervising a publication, from planning to preparation for
printer. Emphasis on effective collaboration, management, news judgment, ethical decision making,
editing, design, and use of computers to produce student newspaper. More advanced students file staff
management roles on the newspaper. Permission of instructor required.
7266  AU  01:30PM-2:30PM  TTh  ZOOM  Riski R, rriski@pencol.edu

Computer Applications Technology
Program Coordinator, Tanya Knight, tknight@pencol.edu
Webpage https://pencol.edu/proftech/computer-applications-technology

CAT  100  INTRO TO MICRO APPL  4
Introduction to mouse techniques, Windows operating system, file management, word processing,
electronic spreadsheets, and databases. Hands-on class using business-oriented exercises and projects.
Recommended: Keyboarding and file management skills. CAT 100 and CAT 116, 117, 118, 119 series are
the same. Credit for both CAT 100 and any of the CAT 116-119 series will not be used for graduation
requirements or financial aid.
7210  COL  ONLINE  Knight T, tknight@pencol.edu
7211  COLL

CAT  111  INTRODUCTION TO WINDOWS  5
Keyboarding skills recommended. Manipulate windows; multitask; customize; manage disks, drives,
files, folders; help and support; multimedia; graphics; conferencing; instant messaging; blogging;
scanning; sharing; and maintenance.
7212  COL  ONLINE  Knight T, tknight@pencol.edu

CAT  114  POWERPOINT QUICK COURSE  2
Basics of Microsoft PowerPoint, including creating and delivering a presentation, design templates, text
layout styles, master slides, using clip art, drawing objects, animation to enhance presentations, working
with delivery options, toolbar options, and editing tools. Recommended: Keyboarding and file
management skills.
7213  COL  ONLINE  Williamson A, awilliamson@pencol.edu

CAT  116  WINDOWS CMPTING OVERVIEW  1
Introduces the basic elements and functions of computer hardware and operating systems, including
information on managing files, updating your PC, online personal safety and security, and an introduction
to common office application features.
7147  COL  ONLINE  Westlund D, dwestlund@pencol.edu

CAT  117  INTRO TO WORD  1
A short introduction to Microsoft Word (word processing) basics. Prerequisite: CAT 116 or permission of
instructor. Keyboarding skills recommended.
7151  COL  ONLINE  Westlund D, dwestlund@pencol.edu

Register Today at https://pencol.edu/GetStarted
### CAT 118 EXCEL BASICS 1
A short introduction to Microsoft Excel (spreadsheet) basics. Prerequisite: CAT 116 or permission of instructor. Keyboarding skills recommended.
7154 COL ONLINE Westlund D, dwestlund@pencol.edu

### CAT 119 ACCESS BASICS 1
A short introduction to Microsoft Access (database) basics. Prerequisite: CAT 116 or instructor permission. Keyboarding skills recommended.
7156 COL ONLINE Westlund D, dwestlund@pencol.edu

### CAT 140 INTRO TO EXCEL 5
Introduction to spreadsheets. Create, format, edit, and print worksheets; formula and function capabilities; analyze, link, and summarize data; create charts and tables; images and diagrams; work with multiple worksheets; use templates and galleries. Recommended: Keyboarding and file management skills.
7214 COL ONLINE Knight T, tknight@pencol.edu

### CAT 212 HELP DESK & SUPPORT SPEC 5
This course introduces the student to a broad range of topics about which an entry-level user support specialist is expected to know, including knowledge, skills and abilities they need to find employment in the support industry. It is recommended that students have familiarity with Microsoft Office Suite and good keyboarding skills.
7217 AU ARRANGED ZOOM Knight T, tknight@pencol.edu

### Keyboarding
Contact, Dorothy Westlund, dwestlund@pencol.edu

### CBT 104 INTRO TO KEYBOARDING 1
This self-paced course is designed for the student with no previous typing experience. Through the use of keyboarding software the student learns the basic techniques of keying alphabet and number keys in modern computer keyboards. Emphasis is on good technique and the development of speed and accuracy. Students must purchase the keyboarding software to work at home, or can use Peninsula College's computer labs to complete all work. A maximum of 2 credits of CBT 104 and/or CBT 105 or combination thereof will count towards a degree or certificate.
7145 COL ONLINE Westlund D, dwestlund@pencol.edu

### Construction Technology
Program Coordinator, Patrick Nickerson, pnickerson@pencol.edu
Webpage https://pencol.edu/proftech/construction-technology
## PENINSULA COLLEGE

### GRBD 101  INTRO TO WOODWORKING  3
Introduction to woodworking tools, materials, hand and power tools used in residential and commercial jobsites. Overview of the woodworking industry, safety and building materials.
7555  AU  08:00AM-09:30AM  TTh  P9  Nickerson P, pnickerson@pencol.edu

### GRBD 105  BLUEPRINT READING  3
Introduction on how to read and use blueprints to construct residential and commercial structures. Course emphasis will be on learning to read blueprints and how to apply different types of foundations, framing, and interior and exterior finishes. Learn how building codes apply to various stages of construction. This is one of the required courses for the Carpentry one-year certificate.
7554  COL  ONLINE  Nickerson P, pnickerson@pencol.edu

### GRBD 106  FOUNDATIONS AND FRAMING  5
This class introduces students to the beginning carpentry phases of conventional stick frame residential and light commercial construction. Learn International Building Codes as they apply to foundations and framing.
7560  AU  10:00AM-01:00PM  TTh  P9  Nickerson P, pnickerson@pencol.edu

### GRBD 206  GREEN BLDG CONCPTS & DES  5
7563  AU  09:00AM-12:00PM  WF  P9  Nickerson P, pnickerson@pencol.edu

### GRBD 210  JOB SITE MANAGEMENT  3
This class will introduce the students to construction jobsite management. Learn OSHA and Washington State Department of Labor and Industries requirements for job site safety. Control of resources and materials on the jobsite as well as the proper order and flow of jobs on the worksite. Negotiate with labor and subcontractors. This class will teach students leadership skills to work as a foreman or contractor on a construction site.
7567  COL  ONLINE  Ruffo S, sruffo@pencol.edu

### Criminal Justice
Program Coordinators, Brett Yacklin, byacklin@pencol.edu and Gailin Hester, ghester@pencol.edu
Webpage [https://pencol.edu/proftech/criminal-justice](https://pencol.edu/proftech/criminal-justice)

### CJ& 101  INTRO TO CRIMINAL JUSTICE  5
Traces historical development of courts, corrections, and law enforcement to understand structure and process of the criminal justice system. Examines roles, responsibilities, and perspective of its participants. Prerequisite: Concurrent enrollment in or completion of ENGL& 101 or AOS 135. (E)
7240  COL  ONLINE  Hester G, ghester@pencol.edu

### CJ& 110  CRIMINAL LAW  5

Register Today at [https://pencol.edu/GetStarted](https://pencol.edu/GetStarted)
Substantive criminal law applied to crime prevention and control activities in criminal justice. Examines definitions, classifications, grades, prohibitions, and punishments ascribed to criminal law through statutes and case law. Prerequisite: Concurrent enrollment in or completion of CJ& 101 or permission of instructor. (E)

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<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
<th>Instructor</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>7242 COL ONLINE</td>
<td>Yacklin B</td>
<td>Substantive Criminal Law</td>
<td>5</td>
<td>Provides an overview of the types and purposes of police patrol, including vehicle patrol and routing patrol procedures, mediation, and management of crisis situations. Emphasis is placed on citizen protection, crime prevention, and identification and apprehension of suspects.</td>
<td><a href="mailto:byacklin@pencol.edu">byacklin@pencol.edu</a></td>
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</tbody>
</table>

**Computer Science**

Division Chair, Dr. Jill Snyder, jsnyder@pencol.edu

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<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
<th>Instructor</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>7157 COL ONLINE</td>
<td>Waterkotte E</td>
<td>Intro to Computer Sci</td>
<td>5</td>
<td>An introduction to the field of Cyber Security through the analysis of technology and concepts in the field of cyber security and cybercrime. This course provides a complete introduction to the protection of business information and systems that support business process. The objective is to identify common threats and attacks, analyze the role of security techniques and architectures, explain the role of cryptography, and analyze issues related to managing security.</td>
<td><a href="mailto:ewaterkotte@pencol.edu">ewaterkotte@pencol.edu</a></td>
<td></td>
</tr>
</tbody>
</table>

**Cybersecurity**

ProgramCoordinator, Eric Waterkotte, ewaterkotte@pencol.edu

Webpage https://pencol.edu/proftech/cybersecurity-computer-forensics

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
<th>Instructor</th>
<th>Email</th>
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</thead>
<tbody>
<tr>
<td>7297 COL ONLINE</td>
<td>Waterkotte E</td>
<td>INTRO TO CYBERSECURITY</td>
<td>5</td>
<td>This course serves as an introduction into the skills, steps and concepts related to the field of penetration testing and ethical hacking. The modern penetration tester or &quot;pen tester&quot; relies on a specific set of skills to help secure IT infrastructure by testing defenses. This course places a heavy emphasis on the ethical issues and practices required by all professional penetration testers.</td>
<td><a href="mailto:ewaterkotte@pencol.edu">ewaterkotte@pencol.edu</a></td>
<td></td>
</tr>
</tbody>
</table>
Drama

Contact, Dr. David Jones, djones@pencol.edu

**DRMA&101 INTRODUCTION TO THEATER** 5
Introduction to history, art, and craft of theater. Plays are read and discussed. Play production is studied from the viewpoints of the playwright, actor, director, and theater technicians. Attendance at current community theater production is desirable. ENGL& 101 is highly recommended. (H)
7305  AU  11:30AM-02:00PM  WF  ZOOM  Starcevich L, lstarcevich@pencol.edu

**DRMA 107 THEATRE PROD AND DESIGN** 5
This course provides instruction and experience in technical theater through lecture, readings, and practical experience. Students will work together as a production team to assist in the design and production of the play being performed within the quarter. (E)
7303  AU  11:30AM-02:00PM  WF  ZOOM  Starcevich L, lstarcevich@pencol.edu

Early Childhood Education

Program Coordinator, Anna King, aking@pencol.edu
Webpage https://pencol.edu/proftech/early-childhood-education

**ECED& 105 INTRODUCTION TO ECE** 5
Explore the foundations of early childhood education. Examine theories defining the field, issues and trends, best practices, and program models. Observe children, professionals in action.
7409  PUI  ARRANGED  ZOOM  King A, aking@pencol.edu
8201  QUI  ARRANGED  ZOOM  King A, aking@pencol.edu
8480  JUI  ARRANGED  ZOOM  King A, aking@pencol.edu

**ECED& 120 PRACTICUM** 2
This course will provide students an opportunity to focus on, develop and apply best practice for engaging in nurturing supportive relationships with children, families, and professional peers in an early learning setting. Students will apply and additional focus of children’s health and safety while promoting growth and development to relationship building with children and families. STARS approved.
7412  PUI  ARRANGED  ZOOM  King A, aking@pencol.edu
8203  QUI  ARRANGED  ZOOM  King A, aking@pencol.edu
8483  JUI  ARRANGED  ZOOM  King A, aking@pencol.edu

**ECED 146 PRACTICUM II** 3
Participation with children and staff in an approved early childhood center. Practice applying guidance procedures, implementing curriculum, and working cooperatively with staff. Lab assignments, six hours per week; seminar, one hour per week. Prerequisites: 2.0 or higher in ECED& 120 and ECED& 190. STARS approved.
7397  PUI  ARRANGED  ZOOM  King A, aking@pencol.edu

Register Today at https://pencol.edu/GetStarted
ECED 147  PRACTICUM II  3
Participation with children and staff in an approved early childhood center. Practice applying guidance procedures, implementing curriculum, and working cooperatively with staff. Lab assignments, six hours per week; seminar, one hour per week. Prerequisites: 2.0 or higher in ECED 146. STARS approved.
7400  PUI  ARRANGED  ZOOM  Cottrell M, mcottrell@pencol.edu
8218  QUI  ARRANGED  ZOOM  King A, aking@pencol.edu
8489  JUI  ARRANGED  ZOOM  King A, aking@pencol.edu

ECED 161  MATH FOR YOUNG CHILDREN  2
Provides an overview of appropriate math concepts for preschool age children and techniques to facilitate young children’s math learning. Course also provides techniques adults may use to eliminate math anxiety and improve their basic math skills. STARS approved.
7404  PUI  ARRANGED  ZOOM  Cottrell M, mcottrell@pencol.edu
8229  QUI  ARRANGED  ZOOM  Cottrell M, mcottrell@pencol.edu
8491  JUI  ARRANGED  ZOOM  Cottrell M, mcottrell@pencol.edu

ECED 260  PRACTICUM III  5
Advanced practicum experience based on skill standards in a developmentally appropriate setting with qualified master teacher. Individualized opportunities for students to practice advanced teaching competencies and professional interactions with site staff and parents. Prerequisites: Completion of ECED& 120 and ECED& 190 (or ECE 101-103), ECED 146 and 147, and at least 30 credits in ECE courses. Grade of 2.0 or higher in ECED& 120, ECED& 190, ECED 146, and ECED 147.
7402  PUI  ARRANGED  ZOOM  King A, aking@pencol.edu
8230  QUI  ARRANGED  ZOOM  King A, aking@pencol.edu
8492  JUI  ARRANGED  ZOOM  King A, aking@pencol.edu

Economics
Division Chair, Dr. Michael Cassella-Blackburn, mcassella-blackburn@pencol.edu

ECON& 201  MICROECONOMICS  5
Promotes use of critical thinking to explore an individual’s relationship to the supply-and-demand of goods and services. Tools of economic analysis are used to investigate management of environmental systems. Prerequisite: AMATH 121 or MATH 90/91 and ENGL& 101. (SS)
7415  COL  ONLINE  Le S, sle@pencol.edu

ECON 101  INTRO TO ECONOMICS  5
Introduction to fundamental economic concepts through contemporary social issues. Examine how societies deal with limited resources and social, cultural, and political responses to changing economic conditions. Recommended for those seeking greater understanding of economics and contemporary issues.
Prerequisite: MATH 90/91 or AMATH 121 or concurrent enrollment; and eligibility for ENGL& 101. (SS)7414
COL ONLINE Underbakke R, runderbakke@pencol.edu

Education
Program Coordinator, Anna King, aking@pencol.edu
Webpage https://pencol.edu/proftech/early-childhood-education

EDUC& 115 CHILD DEVELOPMENT 5
Build a functional understanding of the foundation of child development, prenatal to early adolescence. Observe and document physical, social, emotional, and cognitive development of children, reflective of cross cultural and global perspectives. (Formerly EDUC& 114) (E)
7425 COL ARRANGED ZOOM King A, aking@pencol.edu

EDUC& 203 EXCEPTIONAL CHILD 3
An introductory course in understanding educational programs, and state and federal laws regarding the education of children with special needs. An overview of current issues, trends, and resources affecting services and programs for children with special needs. Prerequisite: EDUC& 114 or 115 or permission of instructor/advisor. STARS approved. (E)
7428 PUI ARRANGED ZOOM Cottrell M, mcottrell@pencol.edu
8233 QUI ARRANGED ZOOM Cottrell M, mcottrell@pencol.edu
8493 JUI ARRANGED ZOOM Cottrell M, mcottrell@pencol.edu

English
Division Chair, Helen Lovejoy, hlovejoy@pencol.edu

ENGL90/91/92 FUND OF ENGLISH 5
Review of sentence structure, grammar, usage, and punctuation. Introduction to essay writing. Placement based on Accuplacer score.
ENGL90 7434 OL2 ONLINE Goschen K, kgoschen@pencol.edu
ENGL91 7444 OL2
ENGL92 7449 OL2
ENGL 90 7441 COL 04:00PM-05:00PM Th ZOOM Murphy Kate E, emurphy@pencol.edu
ENGL 91 7448 COL
ENGL 92 7452 COL
ENGL 90 8530 JU 03:30PM-05:00PM MW ZOOM Cecil W, wcecil@pencol.edu

ENGL 325 PROF & ORG COMMUNICATION 5

Register Today at https://pencol.edu/GetStarted
<table>
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<tr>
<th>CRN</th>
<th>Section</th>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Description</th>
<th>Instructor</th>
<th>Instructor Email</th>
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<tr>
<td>7456</td>
<td>COL ONLINE</td>
<td>ENGL&amp; 101</td>
<td>ENGLISH COMPOSITION I</td>
<td>5</td>
<td>Active reading, effective writing, and critical thinking, using subjective and objective approaches. Introduction to research techniques. Prerequisite: Score of 92 or more on placement test, or passing ENGL 90/91/92. (CC)</td>
<td>Teorey M</td>
<td><a href="mailto:mteorey@pencol.edu">mteorey@pencol.edu</a></td>
</tr>
<tr>
<td>7458</td>
<td>OL11 ONLINE</td>
<td>ENGL&amp; 101</td>
<td>ENGLISH COMPOSITION I</td>
<td>5</td>
<td>Reading and writing using analytical and critical approaches. One or more research papers. Builds on concepts introduced in ENGL&amp; 101. Prerequisite: 2.0 or better in ENGL&amp; 101. (CC)</td>
<td>Teorey M</td>
<td><a href="mailto:mteorey@pencol.edu">mteorey@pencol.edu</a></td>
</tr>
<tr>
<td>7460</td>
<td>BU ONLINE</td>
<td>ENGL&amp; 101</td>
<td>ENGLISH COMPOSITION I</td>
<td>5</td>
<td>Beginning writing in fiction and poetry, other modes by request. Workshop approach, with discussion of work by class members and instructor. Reading of contemporary fiction, poetry, and theory. Prerequisite: ENGL&amp; 101 or permission of instructor. (E)</td>
<td>Mills M</td>
<td><a href="mailto:mmills@pencol.edu">mmills@pencol.edu</a></td>
</tr>
<tr>
<td>7461</td>
<td>OL12 ONLINE</td>
<td>ENGL&amp; 101</td>
<td>ENGLISH COMPOSITION I</td>
<td>5</td>
<td>Advanced creative writing using workshop approach. Genres offered vary by quarter and instructor. Prerequisite: ENGL&amp; 236 or permission of instructor. (E)</td>
<td>Lovejoy H</td>
<td><a href="mailto:hlovejoy@pencol.edu">hlovejoy@pencol.edu</a></td>
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<tr>
<td>7462</td>
<td>OL12 ONLINE</td>
<td>ENGL&amp; 101</td>
<td>ENGLISH COMPOSITION I</td>
<td>5</td>
<td>Survey of classic works as well as new voices from the beginning of American literature to the present. Prerequisite: ENGL&amp; 101 or permission of instructor. (H)</td>
<td>Lovejoy H</td>
<td><a href="mailto:hlovejoy@pencol.edu">hlovejoy@pencol.edu</a></td>
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<tr>
<td>7466</td>
<td>FU 11:30AM-12:30PM WF ZOOM</td>
<td>ENGL&amp; 101</td>
<td>ENGLISH COMPOSITION I</td>
<td>5</td>
<td>Theme-based study of selected masterpieces of American literature in context. Prerequisite: ENGL&amp; 101 or permission of instructor. (H)</td>
<td>Lovejoy H</td>
<td><a href="mailto:hlovejoy@pencol.edu">hlovejoy@pencol.edu</a></td>
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<tr>
<td>7467</td>
<td>COL ONLINE</td>
<td>ENGL&amp; 101</td>
<td>ENGLISH COMPOSITION I</td>
<td>5</td>
<td>ENGLISH COMPOSITION I</td>
<td>Anderson K</td>
<td><a href="mailto:kanderson@pencol.edu">kanderson@pencol.edu</a></td>
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<tr>
<td>7468</td>
<td>OL2 ONLINE</td>
<td>ENGL&amp; 101</td>
<td>ENGLISH COMPOSITION I</td>
<td>5</td>
<td>ENGLISH COMPOSITION I</td>
<td>Lovejoy H</td>
<td><a href="mailto:hlovejoy@pencol.edu">hlovejoy@pencol.edu</a></td>
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<td>7469</td>
<td>OL4 ONLINE</td>
<td>ENGL&amp; 101</td>
<td>ENGLISH COMPOSITION I</td>
<td>5</td>
<td>ENGLISH COMPOSITION I</td>
<td>Lovejoy H</td>
<td><a href="mailto:hlovejoy@pencol.edu">hlovejoy@pencol.edu</a></td>
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<tr>
<td>7470</td>
<td>OL2 ONLINE</td>
<td>ENGL&amp; 101</td>
<td>ENGLISH COMPOSITION I</td>
<td>5</td>
<td>ENGLISH COMPOSITION I</td>
<td>Lovejoy H</td>
<td><a href="mailto:hlovejoy@pencol.edu">hlovejoy@pencol.edu</a></td>
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<td>8535</td>
<td>JU2 03:30PM-05:00PM MW ZOOM</td>
<td>ENGL&amp; 101</td>
<td>ENGLISH COMPOSITION I</td>
<td>5</td>
<td>ENGLISH COMPOSITION I</td>
<td>Lovejoy H</td>
<td><a href="mailto:hlovejoy@pencol.edu">hlovejoy@pencol.edu</a></td>
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Register Today at https://pencol.edu/GetStarted
Entrepreneurship
Program Coordinator, Dr. Jill Snyder, jsnyder@pencol.edu

ENT 208 RIGHT PATH TO BUSINESS 1
This course provides a hands-on opportunity to understand what it takes to launch and operate a successful business. Students learn to use self-assessment tools to determine the ability of the business to make money, how much money will be needed to launch the business, and where to find it.
7490 COL ONLINE Williams J, jwilliams@pencol.edu

Environmental Science
Division Chair, Dr. Brian Hauge, bhauge@pencol.edu

ENVS& 100 SURVEY OF ENV SCI 5
Scientific approach to understanding nature and scope of contemporary problems in our environment. Prerequisite: Eligibility for ENGL& 101 and MATH 90/91. (NS)
7492 OL2 03:30PM-05:30PM T ZOOM Blackie B, bblackie@pencol.edu

Family Life Education
Program Director, Kaylee Cammack, kcammack@pencol.edu
Webpage https://pencol.edu/FLE

FLE 151 Parenting Skills 1
For parents who have a child enrolled in an early childhood cooperative laboratory program. Develops and/or enhances positive parenting skills. Parent seminars, observation, and participation in children's program.
7518 A Online Reeder D, dreeder@pencol.edu
7520 B Online Hanan K, khanan@pencol.edu
7521 C Online Cammack K, kcammack@pencol.edu

FLE 155 Parent Co-Op Leadership 1
Participate in planning activities and events that support and enhance programs for children, parents, and staff. Includes problem solving, collaborative processes, business management, group organization, and communication.
7523 A Online Cammack K, kcammack@pencol.edu
7524 B Online Cammack K, kcammack@pencol.edu

FLE 161 Family Programs 1
Parents and children from birth to age eight meet in a child-development laboratory. Developmentally appropriate activities are planned for children and combined with parent participation and parent education discussions.
7526 B Online Cammack K, kcammack@pencol.edu

Register Today at https://pencol.edu/GetStarted
F L E  171  Toddler-Parent Co-Op  2
For parents with a one-to-three-year-old child concurrently enrolled in a toddler child-study laboratory. Combines parent observation and participation assignments in children's program. Parent seminars focus on child development, parenting, and family relationship issues.

7527  D  Online  Cammack K, kcammack@pencol.edu
14923  A  Online  Cammack, K kcammack@pencol.edu

F L E  175  Toddler-Parent Lab/Leadership 2
For parents with a one-to-three-year-old child concurrently enrolled in a toddler child-study laboratory. Combines parent observation and participation assignments in children's program. Parent seminars focus on child development, parenting, and family relationship issues. Includes group organization and leadership training.

7527  D  Online  Kennedy K, kkennedy@pencol.edu
14924  C  Online  Cammack K, kcammack@pencol.edu
14925  CL

F L E  181  Pre-School Parent Co-Op 2
Parent students participate as teaching assistants in preschool laboratory with children ages three to six years. Focus on early childhood curriculum, child development and behavior, classroom dynamics, and positive guidance. Fall, Winter, Spring sequence.

14926  A  Online  Hopper S, shopper@pencol.edu

First Aid
Dean, Dr. Mia Boster, mboster@pencol.edu

F A  100  INDUS FIRST AID  1
Prepares individuals to perform basic first-aid procedures in cases of emergencies. Learn how to prevent accidents in the home and on the job. Adult CPR. Provides two-year certification. Class tuition: $98.75. No refund after class meets. Class meets American Heart Association BLS for Healthcare Providers (CPR and AED) Program.

7497  PU  02:00PM-08:00PM  F  ZOOM  Moretti A, amoretti@pencol.edu
09:00AM-02:00PM  Sa  K220

Class meets online 10/02/2020 and on campus 10/03/2020.

F A  120  EMERGENCY MED TECH  9
This course will focus on: EMT roles and responsibilities, airway management, patient assessment, medical and trauma emergencies, anatomy and physiology, documentation, lifting and moving, and communications. Course includes practical labs and a total of 10 hours of clinical experience in the
Emergency Department to provide direct hands-on experience. Special application is required before registration. Prerequisite: Current Health Care Provider CPR certification. Plus 10 hours field clinical with local EMS agency. Deadline to submit application is August 15.

F A 180 F A FOR HEALTH PROVIDERS 1
This course provides two year American Heart Association (AHA) Healthcare Provider certification in basic first aid and CPR. Students will be instructed in adult and pediatric CPR, foreign body airway obstruction, automatic external defibrillation and the basic skills necessary to provide first aid assistance in emergency situations. Class is based on nationally recognized standards from AHA and National Safety Council. Students will perform chest compressions and rescue maneuvers and should be prepared for extended stretches of time spent on the floor practicing CPR and first aid procedures. Class tuition: $98.75 No refund after class meets. Class meets American Heart Association BLS for Healthcare Providers (CPR and AED) Program.

Film
Division Chair, Dr. David Jones, djones@pencol.edu

FILM 100 ART OF FILM 5
Study of film as visual text, including key terms, primary practitioners, and major developments. Examination of film as transmitter of themes and values. This class may include students from multiple sections. Prerequisite: Eligibility for or completion of ENGL& 101. (H)

French
Division Chair, Dr. David Jones, djones@pencol.edu

FRCH 110 ADV FRENCH CONVERSATION I 1
Continue your knowledge of the French language at an advanced level. Class is conducted completely in French. A continuation from FRCH 109. This class will include students from multiple sections. FRCH 109, equivalent or instructor permission recommended. (E)

General Studies
Division Chair, Dr. David Jones, djones@pencol.edu

Register Today at https://pencol.edu/GetStarted
GS 121  Studium Generale  1-2
Series of programs from the Humanities, Social Sciences, Natural Sciences, Vocations, and Global Issues.
7540  AU  12:30PM-01:30PM  Th  ZOOM  Reavey K, kreavey@pencol.edu

GS 122  Studium Generale  1-2
Series of programs from the Humanities, Social Sciences, Natural Sciences, Vocations, and Global Issues.
7542  AU  12:30PM-01:30PM  Th  ZOOM  Reavey K, kreavey@pencol.edu

GS 123  Studium Generale  1-2
Series of programs from the Humanities, Social Sciences, Natural Sciences, Vocations, and Global Issues.
7543  AU  12:30PM-01:30PM  Th  ZOOM  Reavey K, kreavey@pencol.edu

GS 124  Studium Generale  1-2
Series of programs from the Humanities, Social Sciences, Natural Sciences, Vocations, and Global Issues.
7544  AU  12:30PM-01:30PM  Th  ZOOM  Reavey K, kreavey@pencol.edu

GS 125  Studium Generale  1-2
Series of programs from the Humanities, Social Sciences, Natural Sciences, Vocations, and Global Issues.
7545  AU  12:30PM-01:30PM  Th  ZOOM  Reavey K, kreavey@pencol.edu

GS 126  Studium Generale  1-2
Series of programs from the Humanities, Social Sciences, Natural Sciences, Vocations, and Global Issues.
7547  AU  12:30PM-01:30PM  Th  ZOOM  Reavey K, kreavey@pencol.edu

GS 185  Student Leadership  2
Development of leadership skills and experiences through lecture, lab and group activities. Examines personal leadership styles, ethics, conflict resolution, communication and related topics. Instruction permission is required.
7549  AU  ARRANGED  ONLINE  Ross R, rross@pencol.edu

Geography
Division Chair, Dr. Brian Hauge, bhauge@pencol.edu

GEOG 120  INTRO TO PHYS GEOGRAPHY  5
Geodesy and mapping; introduction to atmospheric science, weather, climate, the oceans, hydrology, and the earth's heat budget. Prerequisites: Eligibility for both ENGL& 101 and MATH 90/91. (NS)
7552  COL  ONLINE  Barry T, tbarry@pencol.edu

Register Today at https://pencol.edu/GetStarted
Geology

Division Chair, Dr. Brian Hauge, bhauge@pencol.edu

GEOL 124 EARTH SYSTEMS SCIENCE 5
Explores processes that form and shape the earth. The processes comprise a series of integrated systems that interact to produce the earth's continents, oceans, atmosphere, and life. Prerequisite: Eligibility for both ENGL& 101 and MATH 90/91. (NS)
9013 COL ONLINE May D, dmay@pencol.edu

History

Division Chair, Dr. Michael Cassella-Blackburn, m cassella-blackburn@pencol.edu

HIST& 126 WORLD CIVILIZATIONS I 5
Historical comparative study of the world's major civilizations (African, Asian, Middle East, European, and American) from prehistory to ca.1200 CE. There will be an emphasis on material existence and understanding value systems. We will delve into how these are expressed in different political, social, economic, cultural, and religious systems as well as in literature and art. (SS)
7578 COL ONLINE Cassella-Blackburn M, mblackburn@pencol.edu

HIST& 128 WORLD CIVILIZATIONS III 5
Comparative historical study of the world's major civilizations (African, Asian, Middle East, European, and American) from the beginning of industrialization to today's global world. There will be an emphasis on material existence and understanding value systems. We will delve into how these are expressed in different political, social, economic, cultural, and religious systems as well as in literature and art. (SS)
7579 COL ONLINE Cassella-Blackburn M, mblackburn@pencol.edu

HIST& 146 US HISTORY I 5
United States development from European settlements clinging tenuously on the Atlantic coast, or wayward outposts in the Southeast and Southwest, to a large, relatively unified nation between two oceans. We will examine the people of North America, Europe and Africa before colonialism and then address the social, cultural, economic and geographical determinants for colonization. We will explore how colonists began to see themselves separate from the mother country and how this resulted in revolution and a new nation. Prerequisite: Eligibility for or completion of ENGL& 101. (SS)
7583 COL ONLINE Cassella-Blackburn M, mblackburn@pencol.edu

HIST& 147 US HISTORY II 5
United States evolvement after the early years of nation building. The course will begin at the end of the Jacksonian Reform era, and end with the period of overseas expansion as the United States become a Great Power nation. This course will examine a number of crisis or issues of change, including civil war, western expansion, industrialization, immigration and urbanization. The student will learn how the
people of the United States responded to crisis periods through reform movements such as Populism, unionization, Progressivism and imperialism. Prerequisite: Eligibility for or completion of ENGL& 101. (SS)

**Honors Program**
Program Coordinator, Barbara Blackie, bblackie@pencol.edu
Webpage https://pencol.edu/honors-program

**HONOR220 INTERDISCIPLINARY PROJECT I 1**
In these two-hour bi-weekly seminars, students will make brief presentations on the nature of their individual projects and provide status updates. Students will contribute to the process of project development by evaluating the methods used to achieve a project’s objective and probing the nature and outcomes of the project using an integrative knowledge approach to critical inquiry. Prerequisite: Acceptance in Honors Program.
7588 COL 12:00PM-12:50PM M ZOOM Blackie B, bblackie@pencol.edu

**HONOR290 HONORS PROJECT 1-2**
This course is for students completing the projects requirement of the Honors Program degree. Prerequisite: Faculty permission for students in the Honors Program.
7590 COL ONLINE Hattendorf B, bhattendorf@pencol.edu

**Hospitality**
Program Coordinator, Lori Nixon, lnixon@pencol.edu
Webpage https://pencol.edu/proftech/hospitality-and-ecotourism

**HOSP 100 INTRO TO HOSPITALITY 5**
Explore the hospitality and tourism industry including lodging, restaurants, managed services, recreation, theme parks, clubs, and gaming entertainment; and assemblies. Learn universal service standards, customer service for guests and key elements of professional service delivery.
7591 COL ONLINE Nixon L, lnixon@pencol.edu

**HOSP 210 SUSTAINABLE HOS FAC MGMT 5**
Learn to manage the physical plant of a hotel or restaurant and work effectively with the engineering and maintenance department. Students will explore sustainability, green lodging standards, green path assessment, OSHA standards, and facilities management for hospitality and tourism businesses.
7592 COL ONLINE Nixon L, lnixon@pencol.edu

**HOSP 220 TECH IN HOSPITAL INDSTRY 5**
Learn the basics of purchasing, implementing, maintaining, and effectively managing a variety of technology systems such as reservations systems, room management, guest accounting, property
management, catering software, point-of-sale, food and beverage management, and security maintenance for technology.

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<th>Course Code</th>
<th>Title</th>
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<td>7593</td>
<td>COL ONLINE</td>
<td></td>
<td>Nixon L, <a href="mailto:lnixon@pencol.edu">lnixon@pencol.edu</a></td>
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**Homeland Security and Emergency Management**

Program Coordinator, Tanya Knight, tknight@pencol.edu
Webpage [https://pencol.edu/proftech/homeland-security-emergency-management](https://pencol.edu/proftech/homeland-security-emergency-management)

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<tr>
<td>HSEM 102</td>
<td>INTRO TO EMERGENCY MGMNT</td>
<td>5</td>
<td>Provides groundwork on which emergency services can build a strong foundation for disaster and emergency management for homeland security in the 21st century. Addresses issues, policies, questions, best practices, and lessons learned through recent years; requirements of NFPA® 1600, Standard on Emergency Management and exposure to new and developing theories, practices, and technology in emergency management. Instruction begins 9/24/2020.</td>
</tr>
<tr>
<td>7595</td>
<td>WOL ONLINE</td>
<td></td>
<td>Knight T, <a href="mailto:tknight@pencol.edu">tknight@pencol.edu</a></td>
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<td>HSEM 110</td>
<td>INCIDENT COMMAND SYSTEM</td>
<td>2</td>
<td>This course introduces the Incident Command System (ICS) and provides the foundation for higher-level ICS training. This course describes the history, features, and principles and organization structure of the Incident Command System. It also explains the relationship between ICS and the National Incident Management System (NIMS). (Course will meet ICS 100/200/700/800 requirements). Instruction begins 9/24/2020.</td>
</tr>
<tr>
<td>7596</td>
<td>WOL ONLINE</td>
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<td>Knight T, <a href="mailto:tknight@pencol.edu">tknight@pencol.edu</a></td>
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<tr>
<td>HSEM 130</td>
<td>TECH IN EMERGENCY MGMNT</td>
<td>3</td>
<td>This class provides a detailed overview of the technology used, and also clearly explains how the technology is applied in the field of emergency management. Students will learn how to utilize technology in emergency planning, response, recovery and mitigation efforts and they'll uncover the key elements that must be in place for technology to enhance the emergency management process. Course overviews include: Web Emergency Operations Center (EOC), using technology with training and exercises, reverse 911 notification systems, video conferencing/downlinks and Geographic Information System (GIS)/ Global Positioning System (GPS) capabilities. Prerequisite: HSEM 102. Instruction begins 9/24/2020.</td>
</tr>
<tr>
<td>7597</td>
<td>WOL ONLINE</td>
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<td>Knight T, <a href="mailto:tknight@pencol.edu">tknight@pencol.edu</a></td>
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<td>HSEM 157</td>
<td>PUBLIC INFO OFFICER</td>
<td>2</td>
<td>The course is designed to train participants for coordinating and disseminating information released during emergency operations and for assisting in the scheduling and coordination of news conferences and similar media events. After completing this course the student will have met the sections required for Public Information Officer as outlined by NFPA 1035. Instruction begins 9/24/2020.</td>
</tr>
<tr>
<td>7598</td>
<td>WOL ONLINE</td>
<td></td>
<td>Knight T, <a href="mailto:tknight@pencol.edu">tknight@pencol.edu</a></td>
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</table>
HSEM 160  EMERG RESPONSE AWARENESS  5
Provides current and relevant information about terrorism, terrorist behavior, homeland security policies and dilemmas, and how to deal effectively with threats and the consequences of attacks. Student will gain insight into the key players involved in emergency management, local and state issues, particularly as they need to interact and work with FEMA and other federal agencies. Course components include identifying terrorism, causes of terrorism, preventing terrorist attacks, responding to terrorism attacks and avoidance in communication and leadership collapse. Instruction begins 9/24/2020.
7599  WOL  ONLINE  Knight T, tknight@pencol.edu

HSEM 180  PUBLIC ADMIN  3
This course provides an overview in the structure and issues of public service. Course participants will examine the context of public administration: the political system, the role of federalism, bureaucratic politics and power, and the various theories of administration that guide public managers today. Course components include public administration, personnel, budgeting, decision-making, organizational behavior, leadership, and policy implementation. Lessons will be drawn from the most current applications of public administration today, such as Hurricane Katrina efforts and Homeland Security. Instruction begins 9/24/2020.
7600  WOL  ONLINE  Knight T, tknight@pencol.edu

HSEM 190  CITIZEN PREPAREDNESS TRN  3
This special topics train-the-trainer program is designed to prepare students to deliver community preparedness awareness information classes on emergencies and disasters. Prerequisites: HSEM 102 and must have completed 12 HSEM credits or HSEM Program Coordinator approval. Instruction begins 9/24/2020.
7601  WOL  ONLINE  Knight T, tknight@pencol.edu

HSEM 200  EMERGENCY OPERATIONS CTR  2
This course provides the student with skills and knowledge to manage an Emergency Operations Center (EOC), acquire and control resources, and interface with on-scene responders within Incident Management Systems. Topics include EOC design, preparing, staffing and operating, jurisdictional setting, and the critical link between Incident Management Systems and emergency management operations. Prerequisite: HSEM 102 and HSEM 110. Instruction begins 9/24/2020.
7603  WOL  ONLINE  Knight T, tknight@pencol.edu

HSEM 210  EXERCISE DESIGN & EVAL  3
This course provides participants with the knowledge and skills to develop, conduct, evaluate and report effective exercises that test a community's operations plan and operational response capability. Throughout the course, participants will learn about topics including exercise program management, design and development, evaluation, and improvement planning. It also builds a foundation for subsequent exercise courses, which provide the specifics of the Homeland Security Exercise and Evaluation Program (HSEEP) and the National Standard Exercise Curriculum (NSEC). Prerequisites: HSEM 102 and HSEM 120 or coordinator approval. Instruction begins 9/24/2020.
7606  WOL  ONLINE  Knight T, tknight@pencol.edu
HSEM 230 DISASTER RECOV/RESP 2
The purpose of this course is to enable students to understand and think critically about response and recovery operations in the profession of emergency management. Students will utilize problem based learning by analyzing actual disaster events and applying the theories, principals, and practice of response and recovery. In addition, students will learn about the issues faced by special populations and how to address these special needs in natural disaster response and recovery. Prerequisites: HSEM 102 and HSEM 120, or Program Coordinator approval. Instruction begins 9/24/2020.
7607 WOL ONLINE Knight T, tknight@pencol.edu

HSEM 240 WORKBASE LEARN EXP 5
The purpose of the Homeland Security Emergency Management (HSEM) Internship is to give students who are well advanced in their undergraduate program the opportunity to experience the links between theory and practice through application in the work setting of the knowledge and skills gained in the classroom. Prerequisite: Preapproval of HSEM Internship Coordinator and Advisor. Instruction begins 9/24/2020.
7608 WOL ONLINE Knight T, tknight@pencol.edu

HSEM 250 HOMELAND SEC LAW, ETHICS 3
This course is designed to give the student an overview of various statutes, regulations, constitutional law, and common law associated with Homeland Security. This course examines important laws and government frameworks relevant in emergencies including the Stafford Act, the Posse Comitatus Act, the Federal Volunteer Protection Act, and the National Incident Management System. Students will be introduced to the legalities and ethics relevant to organizing for counterterrorism, investigating terrorism and other national security threats, crisis and consequence management. Prerequisites: HSEM 102 and HSEM 120 or Program Coordinator approval. Instruction begins 9/24/2020.
7605 WOL ONLINE Knight T, tknight@pencol.edu

Human Development
Dean, Dr. Mia Boster, mboster@pencol.edu

HUMDV 33 DEV EDUC I 1-2
Supervised study in specific courses and/or assistance in learning specific academic skills. Lab format with individualized learning contracts.
7634 AU ONLINE Williamson A, awilliamson@pencol.edu

HUMDV 101 ONLINE CLASSROOM SUCCESS 1
Overview of what to expect in an online course and how to make web-based learning more productive and rewarding. Meet in an online classroom that simulates a typical web-based learning environment. Students will learn how to use online courseware, navigate threaded discussions, locate articles and research materials, create an electronic presentation, and save electronic documents for presentation on the internet.
7629 COL ONLINE Knight T, tknight@pencol.edu
**HUMDV 120 HUMAN RELATIONS 3**
Survey of workplace skills, including communication, team building, problem solving, and leadership. Emphasis on concepts of perception, attitude, motivation, and ethics.

7633 AU ONLINE Kneidl B, bkneidl@pencol.edu

**Integrated Studies**
Division Chair, Dr. Dr. David Jones, djones@pencol.edu

**IS 101 UNDERSTANDING HUMANITIES**
Introduction to a range of artistic and intellectual expressions of what it means to be human. Areas explored may include architecture, dance, film, language, literature, music, painting, philosophy, photography, sculpture, and/or theater. Discussion of these expressions, themes and styles, as well as their cultural, historical, and theoretical contexts. (H)

7636 COL ONLINE Teorey M, mteorey@pencol.edu

**IS 109 INTRO TO INDIGENOUS HUM**
Introduction to a range of artistic and intellectual expressions of what it means to be human with particular attention to distinct paradigms that reflect indigenous history, culture, arts, and philosophies. Areas of attention/concentration include but are not limited to architecture, dance, film, language, literature, music, painting, philosophy, sculpture, and performance. (H)

7635 AU 11:30AM-12:30PM TW ZOOM Reavey K, kreavey@pencol.edu

**Information Studies**

**INFO 101 RESEARCH IN HEALTH & SOC SCI 2**
Designed to help you succeed on college research assignments. This course will emphasize developing research questions and search strategies; searching relevant subject databases; synthesizing information from sources; and citing sources in APA format. Readings and assignments focus on issues and contexts specific to Health and Social Sciences. Students will demonstrate core 'information competencies' by developing a research project on a topic relevant to the health sciences or social sciences.

7713 COL ONLINE Williams T, twilliams@pencol.edu

**Information Technology**
Program Coordinator, Eric Waterkotte, ewaterkotte@pencol.edu
Webpage https://pencol.edu/proftech/information-technology

**IT 111 FUNDAMENTALS OF INFO TECH 5**
This course provides an overview of information technology (IT) with emphasis on making technical and business decisions. The course will introduce students to a variety of IT areas and identify their
connections. Course topics include: office productivity applications, basic computer hardware, networking and security, and webpage creation and programming. Problem-based learning will be used to stress employability skills such as teamwork, written and oral communication, problem solving, trouble shooting, and project management. Students will also research an IT career path and describe the opportunities and the requirements needed for employment. Course maps to CTCITC 110 course.

7725  AU  ARRANGED  ZOOM  Knight T, tdknight@pencol.edu

IT 225  WINDOWS DOMAINS  5
Learn how to implement, administer, and troubleshoot Windows Servers in network environments. Other topics include Windows Server participation in an Active Directory environment. Prepare for Microsoft Certification exams. (Completion of this course does not guarantee successful completion of the exams. Additional training and/or experience may be necessary.) Recommended that students taking this course have either successfully completed IT 111 and IT 107 or enter the course with some experience and prior knowledge of virtualization and the basics of server operating systems. (E)

7727  COL  ONLINE  Graham K, kgraham@pencol.edu

Klallam Language
Division Chair, Dr. David Jones, djones@pencol.edu

KLA 121  INTRO TO KLALLAM LANGUAGE  5
An introduction to the basics of Coast Salish languages focusing on Klallam, the language of the northern Olympic Peninsula. After covering the sound system and alphabet with practice in listening, spelling, and pronunciation, the course will introduce the fundamental transitive and intransitive grammatical constructions with an emphasis on useful phrases. (E)

7729  AU  12:00PM-1:00PM  TWThF  ZOOM  Montler T, tmontler@pencol.edu

Mathematics
Division Chair, Randy Anderson, randerson@pencol.edu

AMATH121  APPL MATH PROF/TECH I  5
College mathematics used in professional and technical programs. Content includes mathematical modeling and applications employing numerical operations; measurements; geometry; linear and nonlinear equations; exponent, radical, and polynomial operations; functions; formulas; plane analytical geometry with graphing; and an introduction to trigonometry. Prerequisite: MATH 063/064 or acceptable placement test score.

6167  COL  ONLINE  Zirul J, jzirul@pencol.edu

MATH 63  INTRO TO ALGEBRA  5
Fundamentals of arithmetic using integers, fractions, decimals, exponents, and square roots; solving basic linear equations; solving problems using percents, proportions, and basic geometry. Prerequisite: Placement exam.

Register Today at https://pencol.edu/GetStarted
MATH 90  ESSNTLS INTERMED ALGEBRA  5
This course develops proficiency with solving linear equations and inequalities, simplifying expressions using the rules of exponents, adding/subtracting/multiplying polynomials, graphing various types of equations and linear inequalities, solving systems of linear equations and inequalities, and finding the equations of lines. Prerequisite: P (2.0 or higher) in Math 063/064 or equivalent.

MATH 98  INTERMED ALG FOR CALC  5
This course will expose students to a variety of algebraic techniques that will prepare them for precalculus and calculus. Focus will be placed on quadratic, rational, radical, exponential, and logarithmic expressions and equations. Techniques will include factoring, simplifying (adding/subtracting/multiplying/dividing) polynomials, rational, radical, exponential and logarithmic expressions. Prerequisite: P (2.0 or higher) in Math 090/091 or equivalent.

MATH&  107  MATH IN SOCIETY  5
A study of a variety of mathematical topics for non-science majors. The topics covered may differ between sections, but may include problem-solving strategies, logic, set theory, number theory, mathematics of finance, probability and statistics, or geometry. Prerequisite: P (2.0 or higher) in MATH 090/091 or equivalent.  (QS,NS)

MATH&  141  PRECALCULUS I  5
Analysis of linear, quadratic, polynomial, exponential, logarithmic, rational, and radical functions and their graphs; linear and nonlinear inequalities; systems of equations; and matrices. Prerequisite: P (2.0 or higher) in MATH 098/099 or MATH& 148 or equivalent.  (QS,NS)
MATH& 142 PRECALCULUS II 5
Conic sections; trigonometric functions; identities, inverse trigonometric functions; trigonometric equations; solutions of right triangles, laws of sines and cosines; vectors, polar coordinates, and complex numbers, sequences, series, binomial theorem. Prerequisite: 2.0 or higher in MATH& 141 or equivalent. (QS,NS)
7801 AU 10:20AM-11:20AM TWThF ZOOM Kim T, tkim@pencol.edu

MATH& 146 INTRO TO STATS 5
Introduction to methods and applications of elementary descriptive and inferential statistics; summarizing data graphically and numerically, probability, confidence intervals, hypothesis testing, correlation and linear regression. Prerequisite: P (2.0 or higher) in MATH 090/091 or equivalent. (QS,NS)
7802 OL2 ONLINE Rutledge Z, zrutledge@pencol.edu
7804 COL ONLINE Motyka A, amotyka@pencol.edu
7805 OL3 ONLINE Rutledge Z, zrutledge@pencol.edu
8298 QUI 06:20PM-07:20PM MTWTh ZOOM Dewey L, ldewey@pencol.edu
8549 JUI 06:20PM-07:20PM MTWTh ZOOM Dewey L, ldewey@pencol.edu

MATH& 151 CALC I: ANALYTIC GEOMETRY 5
Limits and continuity; derivatives of algebraic and trig functions; chain rule, implicit differentiation and applications, an introduction to antiderivatives. Prerequisite: 2.0 or higher in MATH& 142 or equivalent. (QS,NS)
7807 COL 09:00AM-10:00AM WF ZOOM Anderson R, randerson@pencol.edu
8550 JUO 05:15PM-06:15PM MTWTh ZOOM Dewey L, ldewey@pencol.edu

Medical Assisting
Program Coordinator, Rachel Pairsh, rpairsh@pencol.edu
Medical Assisting Webpage https://pencol.edu/proftech/medical-assisting
Medical Office Assisting Webpage https://pencol.edu/MOA

MED 101 INTRO CLINICAL MED ASSIS 5
This course is an introduction to the medical assisting profession. A virtual clinic is built by students, expanding their knowledge of the healthcare industry. Students explore areas where they might find employment as medical assistants and begin developing employment related skills and documents while expanding their effective communication skills. Students will begin learning the foundations for clinical practice in providing patient care as medical assistants. This course includes a skills laboratory component. Students will be instructed in the use of an educational electronic medical record (EMR) system. NOTE: Students need to be accepted into the Medical Assisting Program and have entry codes to register. Permission of instructor required.
7842 AU 08:30AM-11:00AM WF TBA Pairsh R, rpairsh@pencol.edu
7843 AUL 05:15PM-06:15PM MTWTh ZOOM Dewey L, ldewey@pencol.edu

Register Today at https://pencol.edu/GetStarted
MED 102  MED. TERMINOLOGY/MEDASST  5
Study of medical terminology using a body systems approach, relating terms to the anatomy and physiology of the human body. Word parts are used to build, analyze, define, spell, and pronounce medical terms, including abbreviations. Structural, directional, disease and disorder, surgical, and diagnostic terms will be covered for body structures, body systems, and specialized areas of medicine such as oncology. NOTE: Students need to have entry codes to register.
7846  AU  12:00PM-02:30PM  WF  ZOOM  Pairsh R, rpairsh@pencol.edu  
Peet M, mpeet@pencol.edu

MED 150  MEDICAL BILLING CONCEPTS  5
This course gives medical assisting students an introduction to managed care and insurance coverage. Students will learn medical billing practices including electronic submission and computerized billing techniques, and includes ICD-9, ICD-10, and CPT coding. Students will be instructed in the use of an educational electronic medical record (EMR) system. NOTE: Students need to have entry codes to register.
7851  AU  08:30AM-11:00AM  TTh  ZOOM  Pairsh R, rpairsh@pencol.edu

MED 165  CLINICAL PRACTICUMS  6
Provides students with at least 160 clock hours of externship experience in ambulatory care facilities. Students will be required to maintain and submit documentation of the psychomotor and affective domain competencies they experience at practicum sites. Students will also submit assignments online that demonstrate how they incorporate cognitive domain competencies and critical thinking skills into their daily practice as medical assistants. NOTE: Students need to have entry codes to register.
7857  AU  ARRANGED  TTh  ZOOM  Pairsh R, rpairsh@pencol.edu

MED 200  MEDICAL ASSISTANT CAPSTONE  3
Overview of job readiness, medical assisting certification exam preparation, credentialing application preparation, portfolio development, and networking in the medical assisting field. Students should be enrolled in this course their last quarter of the program, either concurrently with MED 165 or after its completion. Former students seeking a 'refresher' on professional development or credentialing test preparation may register. NOTE: Students need to have entry codes to register.
7859  AU  11:30AM-01:00PM  TTh  ZOOM  Pairsh R, rpairsh@pencol.edu

MED 201  INTRODUCTION TO, PATIENT ADVOCACY  5
Course is designed to offer insights into patient advocacy and the patient healthcare facilitation process. Students will be instructed in how to translate medical records and physician orders to make them more patient-friendly and easier to follow in order to ensure patient compliance and positive care outcomes. Students will learn how to facilitate communication among patients, caregivers, and physicians and how to develop care plans for patients. Emphasis is placed on methods of patient education and communication in regard to special populations such as pediatric and geriatric patients. NOTE: Students need to have entry codes to register.
7862  AU  01:30PM-03:30PM  Th  ZOOM  Pairsh R, rpairsh@pencol.edu  
Ellis D, dellis@pencol.edu

Register Today at https://pencol.edu/GetStarted
Multimedia Communications

Program Coordinator, Renne Emiko Brock, rbrock@pencol.edu
Webpage https://pencol.edu/proftech/multimedia-communications

MEDIA 110 INTRO MULTIMEDIA GRAPHIC  5
This course concentrates on the creative and practical exploration of computer graphics and page layout design. Students will explore basic concepts of digital media, terminology and acquire hands-on experience working with industry standard page layout and illustration software.
7872  AU  ONLINE  Shipova M, mshipova@pencol.edu

MEDIA 111 INTRO TO MULTIMEDIA WEB  5
Learn fundamental concepts and skills of multimedia content development and website design. Students will create multimedia elements with Flash, Photoshop, Dreamweaver, and open-source applications. Manipulate photographs, design animated web banners and graphic rollover buttons. Explore interface design and embed multimedia presentations in a webpage.
7876  COL  ONLINE  Brock R, rbrock@pencol.edu

MEDIA 170 INTRO TO GRAPHIC DESIGN  5
Introduction to the formal elements of graphic design. Explore contemporary design issues and examine the history and psychology behind design communications. Use page layout software to create materials for publication and produce a final printed portfolio of student work.
7880  AU  ONLINE  Shipova M, mshipova@pencol.edu

MEDIA 175 DIGITAL PHOTOGRAPHY  4
Designed to teach students the principles of digital photography with an emphasis on the discovery of solutions for artistic challenges to composition, lighting, color and photographic technology. Students will explore the cultural influences of visual communication and the evolution of traditional photography into the digital age.
7887  COL  ONLINE  Shipova M, mshipova@pencol.edu

MEDIA 195 INFOGRAPHIC DATA VISUALIZATION  5
Learn the foundational elements of digital storytelling and infographics in various media for education, training, information and promotion. Create immersive, interactive, and engaging narratives that deliver moving and enduring messages through multimedia techniques. Develop persuasive and visually attractive graphics that communicate information more effectively in various digital media that deliver data audiences remember.
7894  AU  ONLINE  Brock R, rbrock@pencol.edu

MEDIA 215 DIGITAL VIDEO PROJECTS  5
Learn advanced digital video production, editing, filming, and lighting in field situations. Explore multiple documentary genres, community outreach, video logging, and video podcasting. Work in teams to produce and edit video documentary shorts that capture a story to achieve informational or emotional ends
7897  AU  ONLINE  Brock R, rbrock@pencol.edu

Register Today at https://pencol.edu/GetStarted
Music

Division Chair, Dr. Dr. David Jones, djones@pencol.edu

MUSC&105   MUSIC APPRECIATION    5
Exploration of how and why we listen to music. Examination of the many roles that music plays in various world cultures. Musical examples drawn from Asia, Africa, Indonesia, North and South America (including Native American tribal groups), jazz, blues, and the Western classical tradition. No prior musical experience is necessary. (H)
7978    AU    ONLINE    Jones D, djones@pencol.edu

MUSC 110   HISTORY OF ROCK N ROLL    5
A cultural/sociological history of pop music in the USA. Musical antecedents (blues, country, rhythm and blues) and outside influences (African drumming, Latin rhythms, folksingers) will be included, but the focus will be on the pop music of this period. The music will be addressed within the context of societal issues such as racism, conformity, generational conflict, governmental repression and censorship. (H)
7907    OL2    ONLINE    Jones D, djones@pencol.edu
7909    COL    ONLINE    Jones D, djones@pencol.edu

MUSC 136   JAZZ ENSEMBLE    2
Study jazz styles through performance of jazz literature. Emphasis on development of improvisational techniques. Course is contingent upon availability of qualified students. Instructor permission. (P, E)
7915    AU    TBA    ZOOM E130    Jones D, djones@pencol.edu

MUSC 137   JAZZ ENSEMBLE    2
Study jazz styles through performance of jazz literature. Emphasis on development of improvisational techniques. Course is contingent upon availability of qualified students. Instructor permission. (P, E)
7917    AU    TBA    ZOOM    Jones D, djones@pencol.edu

MUSC 138   JAZZ ENSEMBLE    2
Study jazz styles through performance of jazz literature. Emphasis on development of improvisational techniques. Course is contingent upon availability of qualified students. Instructor permission. (P, E)
7919    AU    TBA    ZOOM    Jones D, djones@pencol.edu

MUSC 236   JAZZ ENSEMBLE    2
Study jazz styles through performance of jazz literature. Emphasis on development of improvisational techniques. Course is contingent upon availability of qualified students. Permission of instructor required. 
7922    AU    TBA    ZOOM    Jones D, djones@pencol.edu

MUSC 237   JAZZ ENSEMBLE    2
Study jazz styles through performance of jazz literature. Emphasis on development of improvisational techniques. Course is contingent upon availability of qualified students. Permission of instructor required.
7924    AU    TBA    ZOOM    Jones D, djones@pencol.edu

Register Today at https://pencol.edu/Get Started
**MUSC 238 JAZZ ENSEMBLE 2**
Study jazz styles through performance of jazz literature. Emphasis on development of improvisational techniques. Course is contingent upon availability of qualified students. Permission of instructor required.
7927 AU TBA ZOOM Jones D, djones@pencol.edu

**MUSC 260 VOCAL Master Class 2**
The study and performance of specialized contemporary and jazz vocal music suitable for beginning and advanced students. Permission of instructor required. (P, E)
7976 AU 10:30AM-12:00PM TH ZOOM Gardner-Morales E, egardner@pencol.edu

**Nursing Assistant Certified**
Program Coordinator, Teri Schwiethale, tschwiethale@pencol.edu
Webpage https://pencol.edu/proftech/nursing-assistant

**NAC 105 NURSING ASSISTANT CERTIFIED 6**
Course studies the role of the nursing assistant, including basic nursing skills, emergency procedures, and laws and regulations affecting nursing assistants. Course consists of classroom, laboratory, and clinical experiences needed to become a nursing assistant. On completion, students are eligible to take the Washington State Certificate Exam, making them employable in many settings such as hospitals, skilled nursing facilities (long term care and rehab), and assisted living facilities. Includes 7 hours of HIV/AIDS healthcare certificate. To meet the hours of education required by the state, attendance for all classes and clinicals is mandatory. Students must complete application process, including a Washington State Patrol background check, and be accepted into the course. This class may include students from multiple sections. For more information, go to http://www.pencol.edu/proftech/nursing-assistant.
13245 CU See Below for Detail Schwiethale T, tschwiethale@pencol.edu Sundin E, esundin@pencol.edu
Class will met every TWTh from 5-8pm in K221A from 9/29-11/12. Clinicals will be a total of 40 hours on 11/14, 11/15, 11/21, 11/22.

**Nursing**
Program Director, Dr. Alana Murphy, amurphy@pencol.edu
For Nursing program application and class information, go to the Nursing program webpage at https://pencol.edu/proftech/nursing

Register Today at https://pencol.edu/GetStarted
Nutrition
Division Chair, Dr. Brian Hauge, bhauge@pencol.edu

NUTR& 101 INTRO TO HUMAN NUTRITION 5
Basic principles of nutrition across the lifespan. Details the digestive process, the digestion and absorption of macro and micronutrients including vitamins, minerals, and phytonutrients. Examines the role of nutrition in the maintenance of optimal health and disease prevention. Includes analysis of personal dietary habits and the components of a healthful diet. This class may include students from multiple sections. (NS)
Prerequisite: Eligibility for ENGL& 101 and P (2.0 or higher) in MATH 063/064 or equivalent.
8041 COL ONLINE Fetrow B, bfetrow@pencol.edu
8043 OL2 ONLINE Fetrow B, bfetrow@pencol.edu

Physical Education
Dean, Dianna Chiabotti, dchiabotti@pencol.edu

P E 108 CONDITIONING & WELLNESS I 1
Applies health-and-wellness principles, cardiovascular fitness, and strength training for a comprehensive fitness program. Emphasis on circuit training. This class may include students from multiple sections. (E)
8553 JUO ONLINE Hughes J, jhughes@pencol.edu
8046 COL ONLINE Hughes J, jhughes@pencol.edu
8463 QUO ONLINE Hughes J, jhughes@pencol.edu

P E 109 CONDITIONING & WELLNESS II 1
Applies health-and-wellness principles, cardiovascular fitness, and strength training for a comprehensive fitness program. Emphasis on circuit training. This class may include students from multiple sections. (E)
8048 COL ONLINE Hughes J, jhughes@pencol.edu
8554 JUO ONLINE Hughes J, jhughes@pencol.edu
8465 QUO ONLINE Hughes J, jhughes@pencol.edu

P E 142 YOGA 1
Introduction to the practice of Hatha Yoga, including the physical postures (asanas), breathing exercises (pranayama), meditation, and deep relaxation. Yoga improves strength, flexibility, balance, concentration, stress management, and overall health. This class may include students from multiple sections. (E)
8051 COL ONLINE Frank D, dfrank@pencol.edu
8555 JUO ONLINE Frank D, dfrank@pencol.edu

Register Today at https://pencol.edu/GetStarted
P E 143 YOGA II
Introduction to the practice of Hatha Yoga, including physical posture (asanas), breathing exercises (pranayama), meditation, and deep relaxation. Yoga improves strength, flexibility, balance, concentration, stress management, and overall health. This class may include students from multiple sections. (E)
8053 COL ONLINE Frank D, dfrank@pencol.edu

P E 144 YOGA III
Practice of Hatha Yoga, including the physical postures (asanas), breathing exercises (pranayama), meditation, and deep relaxation. This class may include students from multiple sections. (E)
8054 COL ONLINE Frank D, dfrank@pencol.edu

P E 162 WEIGHT TRAINING I
Fundamentals of strength training with emphasis on proper lifting techniques, development of individualized workout programs, knowledge of muscles in the body, and proper use of machines and equipment. This class may include students from multiple sections. (E)
8060 COL ONLINE Hughes J, jhughes@pencol.edu
8556 JUO ONLINE Hughes J, jhughes@pencol.edu
8467 QUO ONLINE Hughes J, jhughes@pencol.edu

P E 163 WEIGHT TRAINING II
Fundamentals of strength training with emphasis on proper lifting techniques, development of individualized workout programs, knowledge of muscles in the body, and proper use of machines and equipment. This class may include students from multiple sections. (E)
8061 COL ONLINE Hughes J, jhughes@pencol.edu
8557 JUO ONLINE Hughes J, jhughes@pencol.edu
8469 QUO ONLINE Hughes J, jhughes@pencol.edu

P E 164 WEIGHT TRAINING III
Fundamentals of strength training with emphasis on proper lifting techniques, development of individualized workout programs, knowledge of muscles in the body, and proper use of machines and equipment. This class may include students from multiple sections. (E)
8062 COL ONLINE Hughes J, jhughes@pencol.edu

P E 192 AEROBIC FITNESS I
Focuses on increasing individual fitness levels using aerobic dance and bench stepping. Emphasis on safety and enjoyment. This class may include students from multiple sections. (E)
8559 JUO ONLINE Anderson K, kanderson@pencol.edu

P E 193 AEROBIC FITNESS II
Focuses on increasing individual fitness levels using aerobic dance and bench stepping. Emphasis on safety and enjoyment. This class may include students from multiple sections. (E)
8560 JUO ONLINE Anderson K, kanderson@pencol.edu
P E 210 ADV BASKETBALL FOR MEN I  1-2
Prepares for competition in basketball at the community college level. This class may include students from multiple sections. Instructor permission is required. (E)
8063  AU  ONLINE  Rollman D, drollman@pencol.edu

P E 211 ADV BASKETBALL FOR MEN II  1-2
Prepares for competition in basketball at the community college level. This class may include students from multiple sections. Instructor permission is required. (E)
8064  AU  ONLINE  Rollman D, drollman@pencol.edu

P E 220 ADV BASKETBALL WOMEN I  1-2
Prepares for competition in basketball at the community college level. This class may include students from multiple sections. Instructor permission is required. (E)
8065  AU  ONLINE  Crumb A, acrumb@pencol.edu

P E 221 ADV BASKETBALL WOMEN II  1-2
Prepares for competition in basketball at the community college level. This class may include students from multiple sections. Instructor permission is required. (E)
8066  AU  ONLINE  Crumb A, acrumb@pencol.edu

Physical Education Professional
Dean, Dianna Chiabotti, dchiabotti@pencol.edu

PEPRO 110  SPORTS OFFICIATING  3
Weekend seminar covering rules, mechanics, and procedures for competitive sports officiating; enforcement of rules; use of signals; personal appearance and conduct; and qualifications for officials' ratings. This class may include students from multiple sections. (E)
8069  AU  ONLINE  Rollman D, drollman@pencol.edu
8070  BU  ONLINE  Anderson K, andersonk@pencol.edu

Philosophy
Division Chair, Dr. Dr. David Jones, djones@pencol.edu

PHIL& 101  INTRODUCTION TO PHILOSOPHY  5
Examination of central issues from each major branch of philosophy. Emphasis on understanding and evaluating diverse answers to philosophical questions about human knowledge, existence, and moral values. This class may include students from multiple sections. (H)
Prerequisite: Eligibility for or completion of ENGL& 101.
8073  COL  ONLINE  May D, dmay@pencol.edu

Register Today at https://pencol.edu/GetStarted
### PHIL& 120  SYMBOLIC LOGIC      5
Introduction to first-order symbolic logic. Topics include symbolizing, truth tables, truth trees, proofs for sentence and predicate logic with identity, conditional and indirect proof, and invalidating interpretations. This class will include students from multiple sections. Prerequisite: P (2.0 or higher) in MATH 090/091 or equivalent. (QS, NS)

8074  COL  ONLINE  Rutledge Z, zrutledge@pencol.edu

### Physics

Division Chair, Dr. Brian Hauge, bhauge@pencol.edu

**PHYS& 114  GENERAL PHYSICS I W/LAB      5**  
(Formerly PHYS& 114L) Basic principles of physics presented without use of calculus. Suitable for students majoring in technically oriented fields other than engineering or the physical sciences. Mechanics. This class may include students from multiple sections. (NS) Prerequisite: Eligibility for ENGL& 101; MATH 98/99 or equivalent high school mathematics. Recommended: Working knowledge of algebra and trigonometry; one year high school physics.

8075  AU  11:30AM-12:30PM  TThF  ZOOM  Zirul J, jzirul@pencol.edu
8076  AUL  01:30PM-02:20PM  W  ZOOM  Zirul J, jzirul@pencol.edu

**PHYS& 221  ENGINEERING PHYSICS I      5**  
(Formerly PHYS& 221L) Basic principles of mechanics and experiments in mechanics for physical science and engineering majors. This class may include students from multiple sections. (NS) Prerequisite: Eligibility for ENGL& 101; MATH& 151 or taken concurrently. Recommended: one year high school physics.

8079  AU  10:20AM-11:20AM  TThF  ZOOM  Zirul J, jzirul@pencol.edu
8080  AUL  01:30PM-04:50PM  F  ZOOM  Zirul J, jzirul@pencol.edu

### Political Science

Division Chair, Dr. Michael Cassella-Blackburn, mblackburn@pencol.edu

**POLS& 101  INTRO POLITICAL SCIENCE      5**  
Nature and function of political institutions in major national systems. This class may include students from multiple sections. ENGL& 101 or concurrent enrollment is recommended. (SS)

8085  COL  ONLINE  Stengel D, dstengel@pencol.edu

**POLS& 202  AMERICAN GOVERNMENT      5**  
Popular government in United States; theory and practice of national institutions. This class may include students from multiple sections. (SS)

8575  JOU  03:15PM-04:05PM  W  ZOOM  Stengel D, dstengel@pencol.edu

Register Today at https://pencol.edu/GetStarted
Psychology
Division Chair, Dr. Michael Cassella-Blackburn, mblackburn@pencol.edu

**PSYC& 100 GENERAL PSYCHOLOGY 5**
Introduction to science of behavior. Emphasis on biological foundations of behavior, cognition, learning, intelligence, motivation, memory, personality, and psychological disorders. This class may include students from multiple sections. (SS) Prerequisite: Completion of ENGL& 101 or concurrent enrollment.
8098 COL ONLINE Mattson P, pmattson@pencol.edu
8097 OL2 ONLINE Mattson P, pmattson@pencol.edu

**PSYC& 220 ABNORMAL PSYCHOLOGY 5**
Applies principles of science to study of abnormal behavior. Develop broad understanding of origin, characteristics, and classification of mental disorders from perspectives of psychological theory and research. Introduction to applied areas of diagnosis and assessment incorporated. This class may include students from multiple sections. (E) Prerequisite: PSYC& 100.
10610 COL ONLINE Mattson P, pmattson@pencol.edu

Sustainable Agriculture
Dean, Dr. Mia Boster
Webpage https://pencol.edu/proftech/sustainable-agriculture

**SAGE 150 SUSTAINABLE AGRICULTURE 5**
(Formerly GRBD 150) Course focuses on the principles of sustainable agriculture for animal, crop, and garden production. Students will learn to make a farm, homestead, or garden a reality or to make current agricultural endeavors more sustainable, efficient, and profitable. Students will learn sustainable theory and be able to apply this to the nuts and bolts of market gardens, food forests, livestock management, and small farm operations. This class may include students from multiple sections.
8099 COL ONLINE Santry J, jsantry@pencol.edu

Sociology
Division Chair, Dr. Michael Cassella-Blackburn, mblackburn@pencol.edu

**SOC& 101 INTRODUCTION TO SOCIOLOGY 5**
Human social behavior, social institutions, and society from sociological perspective. Includes introduction to sociological theory and research and application to topics such as social structure, socialization, deviance, inequality, and stratification. This class may include students from multiple sections. Completion of ENGL& 101 or concurrent enrollment recommended. (SS)
8105 COL ONLINE Atkins B, batkins@pencol.edu
8103 OL2 ONLINE Atkins B, batkins@pencol.edu
# Social Science

Division Chair, Dr. Michael Cassella-Blackburn, mblackburn@pencol.edu

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Description</th>
<th>Instructor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCSI 101</td>
<td>CONTEMPORARY GLOBAL ISSUES</td>
<td>5</td>
<td>Introduces course to develop analytical skills necessary to understand major developments in the contemporary world and to provide the basis for more advanced study in the field of world politics. The course deepens students' understanding of globalization and the need for common solutions to global problems that transcend borders. This class may include students from multiple sections. (SS)</td>
<td>Dr. Michael Cassella-Blackburn, <a href="mailto:mblackburn@pencol.edu">mblackburn@pencol.edu</a></td>
</tr>
<tr>
<td>8108</td>
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<td>Stengel D, <a href="mailto:dstengel@pencol.edu">dstengel@pencol.edu</a></td>
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</tr>
<tr>
<td>13228</td>
<td>OL2 ONLINE</td>
<td>STAFF</td>
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# Spanish

Division Chair, Dr. David Jones, djones@pencol.edu

<table>
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<tr>
<th>Course</th>
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<th>Description</th>
<th>Instructor(s)</th>
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<tr>
<td>SPAN 104</td>
<td>BEGIN SPAN CONVRSTN I</td>
<td>1</td>
<td>A mixture of grammar, culture, pronunciation, listening and speaking at a beginner level. For beginning and ongoing students of the Spanish language. Class meets 10/7/2020-11/25/2020</td>
<td>Betreaud V, <a href="mailto:vbetreaud@pencol.edu">vbetreaud@pencol.edu</a></td>
</tr>
<tr>
<td>13465</td>
<td>JUI 11:30AM-01:00PM W ZOOM</td>
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<tr>
<td>SPAN 107</td>
<td>INTER SPAN CONVRSTN I</td>
<td>1</td>
<td>A mixture of grammar, culture, pronunciation, listening and speaking at an intermediate level. For intermediate and ongoing students of the Spanish language. A continuation from SPAN 106. SPAN 106, equivalent or instructor permission recommended. Class meets 10/8/2020-11/26/2020</td>
<td>Betreaud V, <a href="mailto:vbetreaud@pencol.edu">vbetreaud@pencol.edu</a></td>
</tr>
<tr>
<td>8580</td>
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<tr>
<td>SPAN 110</td>
<td>ADV SPAN CONVRSTN I</td>
<td>1</td>
<td>Continue your knowledge of the Spanish language at an advanced level. Class is conducted completely in Spanish. A continuation from Spanish 109. Spanish 109, equivalent or instructor permission recommended. Class meets 10/7/2020-11/25/2020</td>
<td>Betreaud V, <a href="mailto:vbetreaud@pencol.edu">vbetreaud@pencol.edu</a></td>
</tr>
<tr>
<td>8581</td>
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<tr>
<td>SPAN&amp; 121</td>
<td>SPANISH I</td>
<td>5</td>
<td>Begins the four skills of mastering a second language - listening, reading, writing, speaking. Introduction to culture of the Spanish-speaking countries. Learner-centered instruction. This class may include students from multiple sections. (E)</td>
<td>Betreaud V, <a href="mailto:vbetreaud@pencol.edu">vbetreaud@pencol.edu</a></td>
</tr>
<tr>
<td>8109</td>
<td>AU 09:10AM-10:10AM ZOOM</td>
<td>Shaffar M, <a href="mailto:mshaffar@pencol.edu">mshaffar@pencol.edu</a></td>
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<td>8112</td>
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<td>Betreaud V, <a href="mailto:vbetreaud@pencol.edu">vbetreaud@pencol.edu</a></td>
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<tr>
<td>8578</td>
<td>JUI 03:30PM-04:45PM TTH ZOOM</td>
<td>Betreaud V, <a href="mailto:vbetreaud@pencol.edu">vbetreaud@pencol.edu</a></td>
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<tr>
<td>8311</td>
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<td>Betreaud V, <a href="mailto:vbetreaud@pencol.edu">vbetreaud@pencol.edu</a></td>
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</table>

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Welding

Division Chair, Eoin Doherty, edoherty@pencol.edu, and Kelly Flanagan, kflanagan@pencol.edu
Webpage https://pencol.edu/proftech/welding

WELD 110  BEG WELD & METAL FABRICATION I  15
First quarter of three-quarter series to produce trade welders qualified to enter the job market. Introduction to American Welding Standards (AWS) in shielded metal arc welding (SMAW), oxy-acetylene flame cutting, welding symbols, joint design, and welding terminology. Learn to lay out, cut, prepare, fit-up, and weld together metal to repair parts and fabricate projects using SMAW. This class may include students from multiple sections.

<table>
<thead>
<tr>
<th>Course</th>
<th>Time</th>
<th>Days</th>
<th>Section</th>
<th>Instructor</th>
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<tr>
<td>8114</td>
<td>AWU 08:00AM-12:30PM</td>
<td>DAILY</td>
<td>Q14</td>
<td>Flanagan K</td>
<td><a href="mailto:kflanagan@pencol.edu">kflanagan@pencol.edu</a></td>
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<tr>
<td>8115</td>
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<td>Flanagan K</td>
<td><a href="mailto:kflanagan@pencol.edu">kflanagan@pencol.edu</a></td>
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<tr>
<td>8116</td>
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<td>Q14</td>
<td>Flanagan K</td>
<td><a href="mailto:kflanagan@pencol.edu">kflanagan@pencol.edu</a></td>
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<tr>
<td>8117</td>
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<td>Flanagan K</td>
<td><a href="mailto:kflanagan@pencol.edu">kflanagan@pencol.edu</a></td>
</tr>
</tbody>
</table>

WELD 210  ADV WELD & METAL FABRICATION I  15
Class includes prepare for American Welding Society (AWS) certification and introduction to flux cored arch and gas metal arc welding process. Learn to layout, cut, prepare, fit-up, and weld together metal to repair parts and fabricate projects using the flux cored arch welding and gas metal arch welding (GMAW) processes. This class may include students from multiple sections. Prerequisite: WELD 130. Enrollment on space-available basis.

<table>
<thead>
<tr>
<th>Course</th>
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<th>Section</th>
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<td>Doherty E</td>
<td><a href="mailto:edoherty@pencol.edu">edoherty@pencol.edu</a></td>
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<tr>
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<td>Robertson S</td>
<td><a href="mailto:srobertson@pencol.edu">srobertson@pencol.edu</a></td>
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<tr>
<td>8121</td>
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<td></td>
<td></td>
<td>Robertson S</td>
<td><a href="mailto:srobertson@pencol.edu">srobertson@pencol.edu</a></td>
</tr>
</tbody>
</table>

Classes start September 28, 2020

Admissions
Phone: (360) 417-6340
Toll-free: (877) 452-9277
Email: admissions@pencol.edu
https://pencol.edu/GetStarted

Register Today at https://pencol.edu/GetStarted