COURSE DESCRIPTION
Prerequisites: none

Course Description: Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary.

This is a project based research course for a topic related to career interest. Scientific method of investigation will be used to conduct in-depth research, compile, write reports and present findings using a variety of technologies to an audience that includes experts in the field.

This is a 4 credit hour course. (3 lec., 4 lab.)

END-OF-COURSE OUTCOMES
Develop an in-depth knowledge of a topic related to career interest. Utilize a variety of sources and digital tools to explore, research and write research findings; demonstrate critical thinking and analysis when addressing strengths, weaknesses, issues and concerns; submit a project portfolio and present project results to mentors and others.

STUDENT LEARNING OUTCOMES:
Upon successful completion of IMED 1491, the student will be able to:

- Design and develop a research project related to career interests in a current or emerging profession.
- Use search engines, databases and other digital electronic tools to locate information relevant to the project.
- Investigate self-selected topics, write weekly reports and compile a research portfolio.
- Apply critical thinking and statistical concepts to analyze data, evaluate results and draw conclusions.
- Prepare, organize and present independent research and mentor experiences using oral and written skills.

COURSE MATERIALS

Textbook: None Text material provided from the Internet and other sources

A student of this institution (El Centro College) is not under any obligation to purchase a textbook from a university-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.
MAJOR COURSE REQUIREMENTS

Students will:

- Listen actively and effectively in group discussions
- Collaborate with an interdisciplinary team to develop a project
- Create weekly progress reports that address time management and goal setting
- Research and write in depth reports regarding research obtained and reflections
- Meet periodically for conferences about progress, concerns, successes and needs
- Present independent research project using a variety of technologies
- Give oral presentation of project findings

Students will produce written reports, complete project-based research and present findings to demonstrate their understanding of their selected topic related to career interests. A verbal presentation will also be required.

SUBJECT MATTER

Topics covered will vary depending on project selected and will include:

- Time management and goal setting
- Scientific method of investigation
- Reading and research skills
- Technology and other resources needed to complete a project
- Collaboration with an interdisciplinary team
- Mentor experiences
- Data analysis
- Evaluating results
- Drawing conclusions
- Presentation techniques

Disclaimer
The provisions contained in this syllabus do not constitute a contract between the student and El Centro College. These provisions may be changed at the discretion of the Coordinator/Instructor. When necessary, appropriate notice of such changes will be given to the student.

Policies
Students should click on the links below and read all of these policies.

- General institutional policies
- Course-related institutional policies

DISABILITY SERVICES: Students who feel that they may need assistance or accommodations due to a disability should contact the El Centro Disability Services Office in Room A095, phone (214) 860-2411, or go to the DSO webpage at:
  http://www.elcentrocollege.edu/students/disability-services