BSE 3134 – Biological Systems Engineering Seminar

Credit / contact hours: 1 credit, 1 contact hour

Course instructor: Mary Leigh Wolfe

Textbook / materials:

suggested textbook:
None

Online materials:
Virginia Tech Career and Professional Development website https://career.vt.edu/
examples of specific pages:
  https://career.vt.edu/job-search.html
  https://career.vt.edu/job-search/presenting_yourself/resumes.html
  https://career.vt.edu/job-search/presenting_yourself/correspondence.html
  https://career.vt.edu/job-search/presenting_yourself/interviewing.html

Catalog description:
Critical review of technical and professional articles on current topics in Biological Systems Engineering. Development of oral presentation and technical writing skills. Contemporary ethical, professional, and global issues in Biological Systems Engineering.

Co-requisites: NA

Pre-requisites: BSE 2004

Course type: required in the program

Specific outcomes of instruction:
- Discuss contemporary technical, ethical, and global issues in biological systems engineering and engineering in general.
- Review and critique professional literature.
- Prepare and give an effective oral presentation.
- Identify and utilize resources, prepare materials, and develop strategies to aid in career development and job searching.

Student outcomes addressed by course:

Outcome 3: an ability to communicate effectively with a range of audiences

Outcome 7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

List of topics covered:
- Contemporary issues in biological systems engineering
• Literature and internet search skills
• Critical review of technical literature
• Public speaking and presentation skills
• Technical and professional writing
• Oral presentation of technical material
• Oral presentation tools