

ECON 4870: Advanced Operations Research

3 Credit Hours

Prerequisite: ECON 3300, 60 credit hours with a minimum GPA of 2.0, and (Admission to the Coles College Undergraduate Program or Coles College Partner Program)

This course focuses on the application of operations research techniques to decision making in business problems from a managerial perspective. A variety of advanced analytical methods will be covered, such as network optimization, nonlinear programming, goal programming, queueing analysis, and simulation. Applications in different business areas will be presented, such as production, planning, finance, scheduling, transportation, resource allocation, and distribution. Excel and Excel add-ins are used extensively to accomplish formulating and solving mathematical models and apply other quantitative techniques.

This course may be cross-leveled with ECON 7770

EDUC 2110: Investigating Critical & Contemporary Issues in Education

3 Credit Hours

This course engages students in observations, interactions, and analyses of critical and contemporary educational issues. Students will investigate issues influencing the social and political contexts of educational setting in Georgia and the United States. Students will actively examine the teaching profession from multiple vantage points both within and outside the school. Against this backdrop, students will reflect on and interpret the meaning of education and schooling in a diverse culture and examine the moral and ethical responsibilities of teaching in a democracy. This includes the use of current technologies which are directly related to effective teaching and 15 hours of observation in appropriate elementary/early childhood, middle grades, secondary, or P-12 environments.

Notes: Verification of professional liability insurance and a criminal background check are required prior to receiving a school placement.