WFED 8320E

Global Innovation, Technology, and Careers

Spring, 2016 – Friday 5:00 – 7:30 (face to face meeting twice a semester)

Can register as WFED 8320E – Individualized meeting also available if needed

Course Instructor:

Dr. John M Mativo

Course Description:

This course explores theories of innovation, innovation types, technological trends, and associated emerging careers. Through problem based learning challenges, students will develop an understanding of the design process and the integration of disciplines, such as science, technology, engineering and mathematics often used to solve real-world problem and drive global innovation.

This course is open to all students. Students may use the course to define a need and develop an innovation that seeks a solution to the identified problem within the course time frame. Part of the course objectives include:

1. discuss and understand theories in innovation
2. examine types of innovation in different disciplines
3. explore trends in innovation across the globe
4. explore creativity in applying innovation concepts
5. adopt innovation methods such as TRIZ to problem-solving
6. research innovation contributions to economic development
7. explore hardware and software usage in innovation