- Course number and name: MEEN 4920 Cooperative Education in Mechanical and Energy Engineering
- 2. Credits and contact hours: 1-3 credits
- 3. Instructor's or course coordinator's name: Dr. Xiaohua Li
- 4. Text book, title, author, and year: No Textbook is required
- 5. Specific course information
 - a. brief description of the content of the course (catalog description): Supervised work
 in a job directly related to the student's major, professional field of study or
 career objectives
 - b. prerequisites or co-requisites: no specific prerequisites or co-requisites
 - c. indicate whether a required, elective, or selected elective (as per Table 5-1) course in the program: not a required course; not an elective course; **credits** will not count for MEE degree plan.

6. Specific goals for the course:

MEEN 4920	ABET EAC Student Outcomes								
Course Learning Outcomes	1	2	3	4	5	6	7		
Students will execute projects related to some of one of the following: design, analysis, manufacturing, assembly and testing of mechanical engineering related system, and student will use knowledge gained through their previous mechanical and energy	X								
engineering courses. Students will work in teams (from 2-person teams to large, multi-person, multi-discipline teams) to solve practical engineering problems and communicate their various activities (e.g., research, analysis; design; development, project planning, processing, etc) on a regular basis.	X								

Communicate industrially motivated problems and solutions	X			
Understand thermodynamics Brayton cycles	X			
Understand thermodynamics Refrigeration cycles	X			

7. Brief list of topics to be covered:

Dependent upon the precise nature of the cooperative education experience. At a minimum, the student is expected to be exposed to:

- Company/Organization operation
- Engineering related training and experience
- Organizational safety training
- Industrially accepted practices in a broad area of mechanical engineering.