THE OHIO STATE UNIVERSITY
COLLEGE OF ENGINEERING

Metacognitive Engineering Problem Solving Strategies

ENGR 1510

Credit Hours:
1.00 - 1.00

Course Levels:
Undergraduate (1000-5000 level)

Course Components:
Lecture

Course Description:
The course teaches students the concept of metacognition and informs its application to problem solving in engineering courses. Student engage in guided problem solving practice that hones their thinking and helps them make informed decisions about mastering engineering course concepts.

Prerequisites and Co-requisites:
Concur: Math 1151, and permission of instructor.

Course Goals / Objectives:
- Students will understand how to engage in metacognitive engineering problem solving.
- Students will learn to communicate questions about engineering problems to academic coaches/instructors.

Course Topics:
- Session 1 Problem Set
- Session 2 Problem Set
- Session 3 Problem Set
- Session 4 Problem Set
- Session 5 Problem Set
- Session 6 Problem Set
- Session 7 Problem Set

Designation:
Elective