MECH 6992 - Graduate Projects

Fall 2026 Syllabus, Section 05, CRN 44036,

Credit hours: 3

Instructor

Jae Ryu

Email: jjryu@ysu.edu

Public Instructor Information

Instructor Title: Associate Professor
Instructor Professional Qualifications:
PhD, Mechanical Engineering, Iowa State University
MS, Mechanical Engineering, Iowa State University
BS, Mechanical Engineering, Iowa State University
Instructor Office Location: Moser Hall 2540
Instructor Office Phone: 330) 941-2396

Course Description

6992. Graduate Projects. Analysis, design, research, or other independent investigation on projects selected with the advice and approval of the student's graduate committee. 3 s.h.

Course Readings

Group	Title	Author	ISBN
Optional	Journal papers and books		

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Week of	Proposed Topic	Due/To Prepare for Class
8/24	Power generation system	
8/31	Power generation system	
9/7	Power generation system	
9/14	Power generation system	
9/21	Power generation system	
9/28	Power generation system	
10/5	Experimental and numerical methods	
10/12	Experimental and numerical methods	
10/19	Experimental and numerical methods	
10/26	Experimental and numerical methods	
11/2	Experimental and numerical methods	
11/9	Experimental and numerical methods	
11/16	Thermal fluid characteristics	
11/23	Thermal fluid characteristics	
11/30	Thermal fluid characteristics	
12/7	Thermal fluid characteristics	

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.