Curriculum for the Department of Mechanical Engineering

Master Graduate Program For 2021

May 18, 2021 Passed by the Departmental Affairs Meeting at its 4th meeting, Spring semester, Academic Year 2020-21

Semester (Credit /hour)	Fall		Spring	
	Courses	Credit/hour	Courses	Credit/hour
Required courses (0/2)	Treatise	0/1	Treatise	0/1
Elective courses (3/3) (Adjustments will be made based on the actual start of classes)	Failure Analysis of Materials	3/3	Mechanical Behaviors of Materials	3/3
	Vibration	3/3	Finite Element Method	3/3
	Automatic Optical Inspection	3/3	Computer Aided Structure Design and Analysis	3/3
	Precision Machine Design	3/3	Principles & Applications of Gears	3/3
	Introduction to Computational Fluid Dynamics and Practice	3/3	Green Energy Engineering	3/3
	Micro Machine System	3/3	Renewable Energy	3/3
	Hydraulic and Compressible Flow Turbomachines	3/3	Intelligent Machinery and Manufacturing	3/3
	Advanced 3D Printer Technology	3/3	Thermal Fluid Measurement	3/3
	Engineering Statistics and Probability	3/3	Engineering Optimum Design	3/3
	Advanced Composite Structures	3/3	Advanced Mechanics of Materials	3/3
	Composite structural mechanics	3/3	Sensor Principle and Application	3/3
	Internships	3/3	Satellite Navigation for Aviation	3/3

✧ Graduation Credits: 24 credits. (Including two semesters of Thesis Seminar) to meet graduation qualifications.

✧ For other regulations, please refer to the regulations for the master's program of the Department of Mechanical Engineeri