Federation University | Institute of Innovation, Science and Sustainability

Enrolment Course Structure

Course Code – EY9.MEC

Course Name – Master of Engineering Technology (Mechanical Engineering)

First Year	Unit Code	Unit Name	Unit Rules
Semester 1			
	ENGIN2301	Mechanics of Solids	**EX:** ENCOR2030
	ENGIN3302	Introduction to Vibration Analysis	
	ENGIN3404	System Dynamics and Control	**EX:** ENMEC3500 & ENMTX3040
	ENGIN5302	Modelling and Simulation	**EX:** ENCOR4050
Semester 2			
	ENGIN3001	Engineering Research Methodology and Management	**EX**: ENCOR4010 & ENMTX4060
	ENGIN3304	Thermodynamics	
	ENGIN5304	Advanced Robotics	**EX**: ENMEC7080
	MREGC5003	Industrial Techniques in Maintenance Management	

Second Year	Unit Code	Unit Name	Unit Rules
Semester 1			
	ENGIN4301	Machine Dynamics and Vibration	**PR:** ENGIN3302 or equivalent
	ENGIN5002	Advanced Engineering Project 1	**PR:** ENGIN3001 or ENGIN5001 **EX**: ENCOR7020
	ENGIN5301	Machine System Design	**EX**: ENMEC3250 & ENMEC7030
Semester 2			
	ENGIN4302	Energy Conversion	**PR**: ENGIN3304 **EX**: ENMEC4090
	ENGIN5003	Advanced Engineering Project 2	**PR**: ENGIN5002 **EX**: ENCOR7030
	ENGIN5405	Advanced Control Systems Engineering	**EX**: ENMTX4020

Additional Information

This course structure applies to continuing students.

Glossary

Semester: designated teaching period.
PR: Pre-requisite, a unit/s that must be completed prior to undertaking another unit.
CO: Co-requisite, a unit/s that must be completed simultaneously, or prior to, undertaking another unit.
EX: Exclusion, a unit/s that may not be taken.