

## COURSE DETAILS

A separate sheet should be completed for each course.

Course title	Bachelor of Engineering Program in Mechanical Engineering
Entry qualifications	<ol style="list-style-type: none"> <li>1. Must have graduated or</li> <li>2. To receive graduate status of their high school in Mathematics-Science program, successfully completed grade 12 or</li> <li>3. Vocational Certificate Graduates</li> <li>4. High Vocational Certificate Graduates</li> </ol>
Maximum number in class	35 people
Average class contact hours per week	15-21 hours per week
Examining body	RMUTT
Academic level	Bachelor of Engineering (Mechanical Engineering)
Certificate awarded, and by whom	Ministry of Education
Duration of course	4 years
Teacher/Course Leader responsible for the course	Mr. Winai Chanpeng, Ph.D.
Brief outline of the course content and its delivery	<p>Students must complete at least 149 credits of the curriculum</p> <p><b>A. General Education Courses 30 credits</b></p> <p><b>B. Specialized Courses 113 credits</b></p> <p>Core Courses</p> <p>Major Required Courses</p> <ul style="list-style-type: none"> <li>- Engineering Mechanics : Dynamics</li> <li>- Mechanical Vibration</li> <li>- Mechanical Design</li> <li>- Mechanics of Machinery</li> <li>- Automatic Control</li> <li>- Heat Transfer</li> </ul>

- Air Conditioning
- Power Plant Engineering
- Internal Combustion Engines
- Introduction to Instrument and Control
- Mechanical Engineering Pre-Project
- Mechanical Engineering Project

**C. Free Elective Courses 6 credits**