# COURSE DETAIL

## DESIGN AND MANUFACTURE 1

**Country**
New Zealand

**Host Institution**
University of Auckland

**Program(s)**
University of Auckland

**UCEAP Course Level**
Upper Division

**UCEAP Subject Area(s)**
Mechanical Engineering

**UCEAP Course Number**
135

**UCEAP Course Suffix**
A

**UCEAP Official Title**
DESIGN AND MANUFACTURE 1

**UCEAP Transcript Title**
DESIGN & MANUFACT

**UCEAP Quarter Units**
6.00

**UCEAP Semester Units**

4.00

**Course Description**
The engineering design process as a teamwork and problem-solving activity involving analysis, synthesis, evaluation and critical thinking. Design methodology and communicating design intent through written and graphical means. Introduction to selected motive power sources, machine elements for mechanical power systems, and production and fabrication processes.

**Language(s) of Instruction**
English

**Host Institution Course Number**
MECHENG 235

**Host Institution Course Title**
DESIGN AND MANUFACTURE 1

**Host Institution Course Details**

**Host Institution Campus**

**Host Institution Faculty**

**Host Institution Degree**

**Host Institution Department**
Mechanical Engineering

**Course Last Reviewed**

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