

**THE UNIVERSITY OF HONG KONG  
FACULTY OF ENGINEERING**

Course Selection Instruction Form  
4 Year - B.Eng. in Mechanical Engineering Year 5 or above (2017–2018)

This form should be completed by the student and handed in together with a signed copy of the finalized Course Selection Report to the Department of Mechanical Engineering by **August 16, 2017**.

Name in BLOCK letters, surname first \_\_\_\_\_

University number 

--	--	--	--	--	--	--	--	--	--

Contact phone number: \_\_\_\_\_ E-mail: \_\_\_\_\_ Course Year: \_\_\_\_\_

**(A) Curriculum Structure**

**Graduation Requirements - Checklist**

Please indicate by a “✓” in the ‘**completed**’ column the courses that you have completed.

Please indicate by a “✓” in the ‘**2017-18**’ column the courses that you have selected to enroll in the 2017-2018 academic year.

Please indicate by a “E” in the ‘**others**’ column the courses that you have been granted exemption.

**(1) University Requirements (CC = Common Core Courses)**

Course Code	Course Title	Status Symbol			Credits
		completed	2017-18	others	
CAES1000	Core University English				6
CAES9544	Technical English for Mechanical Engineering				6
CENG9001	Practical Chinese for Engineering Students (or other replacement courses)				6
CCST					6
CCGL					6
CCCH					6
CCHU					6
CC					6
CC					6
Total credits					<b>54</b>

**(2) Faculty Requirements**

Course Code	Course Title	Status Symbol			Credits
		completed	2017-18	others	
MATH1851	Calculus and Ordinary Differential Equations				6
MECH1853	Linear Algebra, Probability & Statistics				6
ENGG1111 Or ENGG1112	Computer Programming and Applications Or Computer Programming and Applications I				6
PHYS1050	Physics for Engineering Students				6
ENGG1205	Introduction to Mechanical Engineering				6
ENGG12__ (please indicate)	Any one of the General Engineering Courses offered by other Departments of the Faculty of Engineering*				6
Total credits					<b>36</b>

Note: \*Any General Engineering course from the following list:

ENGG1201, ENGG1202, ENGG1203, ENGG1204, ENGG1206, ENGG1207

### (3) Department Requirements

#### Year II (Introductory Core Courses)

Course Code	Course Title	Status Symbol			Credits
		completed	2017-18	others	
MECH2404	Drawing and Elements of Design and Manufacture				6
MECH2406	Fundamentals of Electrical Engineering				6
MECH2407	Multivariable Calculus and Partial Differential Equations				6
MECH2413	Engineering Mechanics				6
MECH2414	Thermofluids				6
MECH2419	Properties of Materials				6
Total credits					<b>36</b>

#### Engineering Training

Course Code	Course Title	Status Symbol			Credits
		completed	2017-18	others	
MECH2418	Engineering Training (summer)				6
Total credits					<b>6</b>

#### Year III (Advanced Core Courses)

Course Code	Course Title	Status Symbol			Credits
		completed	2017-18	others	
MECH3402	Engineering Thermodynamics				6
MECH3407	Advanced Partial Differential Equation and Complex Variables				6
MECH3408	Mechanics of Fluids				6
MECH3409	Mechanics of Solids				6
MECH3418	Dynamics and Control				6
MECH3427	Design and Manufacture				6
Total credits					<b>36</b>

#### Year IV (Advanced Core Courses)

Course Code	Course Title	Status Symbol			Credits
		completed	2017-18	others	
MECH4410	Engineering & Technology Management				6
Total credits					<b>6</b>

#### Capstone Experience

Course Code	Course Title	Status Symbol			Credits
		completed	2017-18	others	
MECH4429	Integrated Capstone Experience (full year)				12
Total credits					<b>12</b>

#### Disciplinary Elective Courses

Course Code	Course Title	Status Symbol			Credits
		completed	2017-18	others	
BBSE4409	Project management and engineering economics				6
MECH3406	Electrical and Electronic Engineering				6
MECH3416	Fundamentals of Aeronautical Engineering				6
MECH3417	Industrial Training (summer semester)* <b>*This course normally takes place in the summer semester after the third year of study</b>				6
MECH3420	Air Pollution Control				6
MECH3428	Research Experience for Undergraduates (full year)				6
MECH4404	Automatic Control				6
MECH4407	CAD/CAM				6
MECH4409	Energy Conversion Systems				6
MECH4411	Heat Transfer				6

MECH4412	Product Design and Development				6
MECH4414	Materials of Engineering Applications				6
MECH4415	Applied Stress and Strength Analysis				6
MECH4421	Viscous Flow				6
MECH4423	Building Energy Management and Control Systems				6
MECH4428	Sound and Vibration				6
MEDE4602	Molecular and Cellular Biomechanics				6
MEDE4603	Transport Phenomena in Biological Systems				6
MEDE4604	Cell and Tissue Engineering				6
MEDE4605	Biomaterials design and applications				6
CIME2101	Water and Air Quality: Concepts and Measurement				6
CIVL3111	Municipal and Industrial Waste Treatment				6
CIVL3115	Solid and Hazardous Waste Management				6
CIVL3122	Wind Engineering				6
MECH3422	Building Services Engineering I				6
MECH3423	Building Services Engineering II				6
MECH3429	Air conditioning and refrigeration				6
MECH3430	Fire protection in buildings				6
MECH3431	Utility services in buildings				6
<b>Counted up to 42</b>					

**(Free Elective Courses) (12 Credits)**

Course Code	Course Title	Status Symbol			Credits
		completed	2017-18	others	
					6
					6
					<b>12</b>

**(B) Delivery and Implementation**

**Time Clash**

You will not be allowed to take courses with time clash. Please note that some teachers may take roll call and require full attendance in their lectures. Consequently, if you have to re-take a course which clashes in lecture hours with a higher level course, you may have to drop the higher level course.

**On-line Course Enrolment**

Enrolment period	Year 5 (or above) student starting from <b>10:00am</b> on August 10-16, 2017, (4:00pm)
------------------	--

**\*Online course selection will be suspended from 9:00am to 2:30pm on August 11, 2016 (Thursday)**

Please submit a signed copy of Course Selection Report together with this form to the Department immediately after your enrolment is finalized. **Note that the course approval status will not be changed from TW to TA until your forms are received and checked by the Department.**

**Enquiry**

Enquiries can be directed to:

Dr. C.K. Chan (HW5-25; phone: 3917 8554; email: [ckchan1@hku.hk](mailto:ckchan1@hku.hk)).

Prof. K.W. Chow (HW7-18A; phone: 3917 2641; email: [kwchow@hku.hk](mailto:kwchow@hku.hk)).

**IMPORTANT:** Failing to properly complete your course enrolment may prevent you from being eligible to sit for the examination. As a student, you bear the primary responsibility to check carefully if your course selection is accurate and follows the curriculum requirements stipulated in the *Regulations for the Degree of Bachelor of Engineering*.

Date:

Signature: