

CMI Course Guidelines for ME Students

Gareth H. McKinley, Last updated: December 2007

The following CUED Course Modules have been used to count for credit for the indicated MIT courses over the past 5 years of the CME Program. This list is not exhaustive, but designed to show the most common classes taken by CME Mechanical Engineering students.

MIT Course Number	CUED Modules	Set Number† (2006)	Notes
2.002	3C7 & 3D7	M4, L4	
2.003	3C5 & 3C6	M6, L6	
2.004	3F1 & 3F2	M5, L5	
2.005	–		No good match
2.006	–		No good match; in principle could get credit from 3A1 double-module; but this would be overkill...(2.25 Credit)
2.008	3C1 & 3C2	M5, L5	*Clashes with 2.004 (3F1&2) modules
Course Work			
2.671/2.672	6 short Lab Reports 2 Full Technical Reports 2 Easter Term Projects Engineering Area Activity		In combination with a week-long Writing Program offered at MIT <i>prior</i> to going to CUED this program satisfies CI-M credit for junior year
Common Electives			
2.06J	3C5 & 3C6	M6, L6	Can give credit for 2.06J if 2.003 has already been taken in sophomore year
2.72J	3C3 & 3C4	M3, L3	
2.092	3C7 & 3D7	M4, L4	
2.96	3E5 & 3E6 <i>or</i> 3E3 & 3E8 <i>or</i> 3E1 & 3E2	M10, L10; M9, L9	Either pair of courses is acceptable depending on student interest. (3E1,3E2 may be used for HASS credit subject to approval by HASS office)
2.25	3A1	M7, L7	Double Module
2.41	3A5 & 3A6	M4, L4	Double module; clashes with 3C7 & 3D7

† The set number indicates the timing of when the courses are offered in the Cambridge timetable. Only one course from each set can be taken without impossible schedule clashes. M = Michaelmas term (Fall); L = Lent term (Spring). These sets may change from year to year.

Random Notes

1. Purchasing the 2.002 course notes by Prof. L. Anand from CopyTech (\$20) has been highly recommended as advance reading for CUED Mechanics/Materials modules
2. It is very strongly recommended to have completed 2.001, 2.002, 2.003 and 2.005 before going to Cambridge (for their intellectual content). Also need to finish 2.670 and 2.007 in sophomore year to ensure graduation!
3. For those interested in thermal-fluids engineering area (which is one of CUEDs strengths) it is essential to take 2.005 AND 2.006 in Sophomore year at MIT before attempting 3A1 or 3A3 or 3A5& 3A6 modules.

FAQs and some Important Basic Guidelines in Considering Classes:

- **Minimum** classes that must be completed with B grade or higher by the end of sophomore year 2.001, and (2.003 or 2.005), 2.670, 2.007, 18.03, one of 2.002, 2.004, 2.006.
- *Strongly desired:* to have completed all of the following 2.001, 2.003, 2.005, 2.670, 2.007 and either 2.004, 2.006 (ideally both)!
- **Minimum** GPA needed at least a 4.0 cumulative average, (and 4.2 or higher in ME classes)
- **Clash of 2.004/2.008 at Cambridge.** It should be noted that because of the exam schedule clashes (“Set Numbers”) at Cambridge between Modules 3F1/2 and 3C1&2 it is impossible to do classes at Cambridge that translate to getting credit for both 2.004 and 2.008 in your junior year abroad. It is thus essential to plan accordingly.
- **Exam Set Numbers;** these can change from year to year...so clashes may vary in future. A new list is usually posted around May for each year.
- **HASS Credit:** many students also take a language organized through the CUED department to get 12 units of HASS credit. It is also possible (but difficult) to take one full Tripos paper in a Humanities department (for 24units HASS credit). I cannot approve HASS credit; this is done through the CME Office and Dean Bette Davis.
- **Minimum Scores at Cambridge:** examination scores at Cambridge are graded on a curve – but with very low mean (typically ca. 65-70%). To ensure credit transfer from Cambridge to ME Dept. at MIT for each CUED module it is necessary to get at least a score of 40% or higher (roughly a ‘Third Class’ score at Cambridge).

Application Deadline (2007-8):

The Institute has moved to an earlier deadline for CME admissions this year. There are two main reasons for moving the admissions deadline. It will give successful applicants a chance to still adjust their spring course selection to ensure that 1) they stay in compliance with the communication requirement and 2) address potential gaps in knowledge resulting from different curriculum structures at MIT and University of Cambridge. In conversation with the departments, the deadlines for the 2008-09 application cycle are as follows:

- Students apply to departments by **January 15** at the latest (this is a firm deadline)
 - Departments send departmental recommendations, along with applications of students that they recommend, to Dean Hedderick’s office by **January 28** at the latest (this is a firm deadline)
 - Dean Hedderick’s office reads applications between **January 28 and 31** and communicates decisions to students on **February 1**.
- **Application Forms** are available from Peggy Garlick’s office