

**ME 175: Intermediate Dynamics**  
**Tuesdays and Thursdays from 11:00am–12:30pm in**  
**3106 Etcheverry Hall**

**Discussion Session:**

Mondays from 4:00pm–5:00pm in 170 Barrows Hall.

**Instructor:**

Oliver M. O'Reilly, 5131 Etcheverry Hall, phone: 642–0877 and email: oreilly@berkeley.edu.

**Office Hours:**

Tuesdays 9:00am–11:00am & Thursdays 10:00am–11:00pm in 5131 Etcheverry Hall, or by appointment.

**Teaching Assistant:**

Evan Hemingway (evanhem@berkeley.edu). Evan's office hours be held in Hesse Hall on Wednesdays from 9:00am–12:00pm or by appointment.

**Grading:**

The course grade will be based on the following components:

Midterm Examination No. 1: (Tuesday September 25th, 6:15pm-7:15pm, Room TBD)	20%
Midterm Examination No. 2: (Tuesday October 23rd, 6:15pm-7:15pm, Room TBD)	25%
Homework:	10%
Final Examination:	45%

Copies of old exams and their solutions, updated syllabi, errata, and exam solutions can be found on

**Bcourses**

**Homeworks and Quizzes:**

Homework problems will be assigned every week and should be submitted by the deadline listed on the assignment. The graded homeworks will be supplemented by weekly quizzes and additional assignments designed to help improve your understanding of the material and to help you self-access your progress and comprehension.

**Textbook:**

All of the lectures will be taken from

O. M. O'Reilly, *Intermediate Engineering Dynamics: A Unified Treatment of Newton-Euler and Lagrangian Mechanics*, Cambridge University Press (2008).

You will need a UC library proxy if you are accessing [www.ebooks.cambridge.org/](http://www.ebooks.cambridge.org/) using an off-campus internet address and wish to download a corrected printing of the 2008 edition for free.

The prerequisite for this class is ME104: *Engineering Mechanics II: Dynamics* and a free electronic copy of the textbook for ME104 can be found at

O. M. O'Reilly, *Engineering Dynamics: A Primer*, Second Edition, Springer Verlag (2010).

You will need a UC library proxy if you are accessing [www.springerlink.com](http://www.springerlink.com) using an off-campus internet address and wish to download the primer for free. Details on the proxy can be found at <http://www.lib.berkeley.edu/Help/proxy.html>.