

**ME 175: Intermediate Dynamics**  
**Tuesdays and Thursdays from 12:30pm–2:00pm in**  
**102 Moffitt Hall**

**Discussion Sessions:**

Mondays from 5:00pm–6:00pm in 3107 Etcheverry Hall and Wednesdays from 4:00pm–5:00pm in 3105 Etcheverry 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 11:00am–12:00pm in 5131 Etcheverry Hall, or by appointment.

**Teaching Assistant:**

Chris Diamond (cadiamond@berkeley.edu). Chris's office hours be held in Hesse Hall on Mondays from 9:00am–11:00am, and Wednesdays from 3:00pm–4:00pm or by appointment.

**Grading:**

The course grade will be based on the following components:

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| Midterm Examination No. 1: (Thursday September 24th, 6:00pm-7:00pm, Room TBD) | 20% |
| Midterm Examination No. 2: (Thursday October 29th, 6:00pm-7:00pm, Room TBD)   | 25% |
| Homework:   | 15% |
| Final Examination:  | 40% |

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 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 (2000).

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>.