

BIM 105
Fall 2015**Probability and Statistics for
Biomedical Engineers****David M. Rocke**
September 24, 2015**Course Information**

Class Meetings:	Tu/Th 12:10pm–1:30pm, 6 Olson
Discussion:	A01: Tue 4:10pm–5:00pm, 1116 Academic Surge A02: Wed 12:10pm–1:00pm, 1116 Academic Surge A03: Wed 1:10pm–2:00pm, 1116 Academic Surge A04: Tue 5:10pm–6:00pm, 1116 Academic Surge
Office Hours:	Tue & Wed 2:00pm–3:00pm except 9/30, 10/7, 11/4, 11/11. Other times by appointment.
Office:	140B Med Sci 1C (752-6999) e-mail: dmrocke@ucdavis.edu web site: http://dmrocke.ucdavis.edu/
Text and Software:	<i>Statistics for Engineers and Scientists</i> , Fourth Edition, William Navidi, McGraw Hill. The book and required web site are available online under the UCD Bookstore inclusive access program (see below). DO NOT BUY A PHYSICAL BOOK. MATLAB 2015a (available in the Engineering Computing Lab as well as virtually)
TA:	Andrew Farris (affarris@ucdavis.edu).
Reader:	Ketki Raje (kvraje@ucdavis.edu).
Course Grading:	Midterm Examination 30% Final Examination 40% Homework (see below) 30%
Homework:	<ul style="list-style-type: none">• Each class will have a textbook reading assignment and associated LearnSmart assignment which is graded and which is due to have been done on the Connect website before class.• Each homework assignment will have an online component which is graded and which is due to have been done on the Connect website before class on the due date.• There will also be a component of each assignment that must be handed in on paper in class on the due date.• Late assignments will not be accepted.
Class Variants	October 1 and October 8 will be workshops by the internship and Career Center, respectively “Internship and Job Strategies for Engineering Students,” and “Writing and Effective Resume and Cover Letter for Engineering Students.”
Prerequisites	Math 21D (grade C– or better) ENG 6 (may be concurrent)
Final Exam	December 10, 2015, 10:30am–12:30pm

This course is an introduction to probability and statistics as it is used in biomedical engineering. The emphasis is on understanding the methods available and how they are used. Homework assignments will be due weekly and will involve problem solving, conceptual understanding, computations, and some MATLAB work. Some parts of the assignment will be done online and part turned in on paper. Reading assignments should generally be completed before class. Some material in the reading will not be repeated in class and some material presented in class supplements the reading. If you miss a class, you are responsible for obtaining the notes from another student. Homework assignments will be given weekly—late assignments will generally not be given credit. The midterm examination will be given in class (tentative date: Tuesday, November 10) and the final examination will be Thursday, December 10, 10:30am–12:30pm. Exams will require a calculator.

Textbook and Online Homework Resources Required for BIM 105

You will be **required** to have materials from McGraw-Hill Education which include the CONNECT program needed to complete homework. To reduce the cost of the course materials costs, we are participating in the **UC Davis Inclusive Access** program using the McGraw-Hill Connect interactive online learning platform. This includes the text as an ebook (Navidi, Statistics for Engineers and Scientists) and online homework at a reduced price of \$95.00 (normally over \$222.00 for these materials). All enrolled or waitlisted students are automatically included in this program. Please read the following information carefully.

ACCESS INSTRUCTIONS:

- Staff will be on hand on the first day of class to give access instructions, or you may register early starting 9/21/15 at the following site: <http://connect.mheducation.com/class/d-rocke-fall-2015>.
- Click the “Register Now” button and follow the registration instructions
- Enter your ucdavis.edu e-mail address
- Click “Continue”

BILLING INFORMATION:

- Your access is free for the first 10 days of class, after which the Inclusive Access price will be billed to your MyBill account unless you have chosen to opt out of the program. (information below)
- Opting Out of Inclusive Access
 - If you choose not to use the online homework or text, you must opt out of the Inclusive Access program prior to the billing date to avoid billing, even if you have not registered the access. **Please note, you will not be able to complete your homework if you opt out. This will adversely affect your grade.**
 - Once opted out, your access through the program will be terminated after the opt-out deadline.
 - If you opt out by accident, you can send an email to inclusiveaccess@ucdavis.edu to have the access re-instated and billed.

- If you would like to opt out, the bookstore will provide you with a link toward the beginning of the term.
- Dropping the course
 - If you drop the course prior to the billing deadline, you will automatically be opted out and will not be billed.
 - If you drop the course after the billing deadline, you will have 5 days to notify the Inclusive Access team to request a refund.

If you have any questions, please contact the Inclusive Access team at inclusiveaccess@ucdavis.edu.