Finance for Engineering Management  
ENG/TE 566

Instructor
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Teaching Assistent (TA)
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Class Schedule:  Monday-Wednesday, 1:00 to 2:50 pm
Location:  Lincoln Hall 1066

Course Requirement

Book
Title: Understanding Financial Statements – A Primer of Useful Information
Author: Gill and Chatton
ISBN: 978-1-56052-425-0

Course Description
Finance for Engineering Management introduces engineers to the important elements and metrics of business finance and contemporary engineering economics. The course covers a broad range of topics and explains the relationships between customers, employees, and shareholders in a corporate environment. The course covers the cornerstone financial concepts for engineering management to enable analysis of engineering projects from a financial perspective: income statements; the balance sheet; cash flow statements; financial ratio analysis; corporate organization; the time value of money; net present value; and discounted cash flow analysis are among the topics discussed.

Homework & Assignment
Assignments should be submitted on Compass2g. Homework assignments and due dates will be posted on compass. A major homework effort involves producing a finance program in excel or a programming language of your choice that performs many of the basic functions that a small business software package is designed to do. Various modules will be created throughout the course with the final program being the integration of the various modules. Homework assignments will be announced throughout the course.
Quizzes

Quiz will be an open book submitted on compass by September 19th, 2019.

Grading Breakdown

30%: Individual homework assignments (no credit given for late homework)
30%: Quiz
40%: Software Program

Grading Scale

A  94-100%
A-  90-93%
B+  86-89%
B   82-85%
B-  79-81%
C+  75-78%
C   70-74%
C-  67-69%
D+  63-66%
D   60-63%
F   <60%

Outline of Sessions

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<th>Classes</th>
<th>Date</th>
<th>Session Topic</th>
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<tr>
<td>1</td>
<td>08/26/2019</td>
<td>Overview: Business of Engineering</td>
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<td>2</td>
<td>08/28/2019</td>
<td>Balance Sheet Reading: Gill and Chatton pg. 1-11 (1st assignment)</td>
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<td>3</td>
<td>09/02/2019</td>
<td>Labor Day</td>
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<td>4</td>
<td>09/04/2019</td>
<td>Income Statement Reading: Gill and Chatton pg. 12-15 (2nd assignment)</td>
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<td>09/09/2019</td>
<td>Cash Flow Reading: Gill and Chatton pg. 16-20</td>
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<td>6</td>
<td>09/11/2019</td>
<td>Recovery – program discussion</td>
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<td>7</td>
<td>09/16/2019</td>
<td>Financial Analysis: Payroll Processing, Hidden Expenses</td>
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<td>8</td>
<td>09/18/2019</td>
<td>Financial Analysis: Tax Requirements</td>
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<td>9</td>
<td>09/23/2019</td>
<td>Quiz covering all previous weeks</td>
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<td>10</td>
<td>09/25/2019</td>
<td>Real Estate and business lease agreements</td>
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<td>09/30/2019</td>
<td>Depreciation</td>
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### Academic Integrity

The University of Illinois at Urbana-Champaign Student Code should also be considered as a part of this syllabus. Students should pay particular attention to Article 1, Part 4: Academic Integrity. Read the Code at the following URL: [http://studentcode.illinois.edu/](http://studentcode.illinois.edu/).

Academic dishonesty may result in a failing grade. Every student is expected to review and abide by the Academic Integrity Policy: [http://studentcode.illinois.edu/](http://studentcode.illinois.edu/). Ignorance is not an excuse for any academic dishonesty. It is your responsibility to read this policy to avoid any misunderstanding. Do not hesitate to ask the instructor(s) if you are ever in doubt about what constitutes plagiarism, cheating, or any other breach of academic integrity.

### Family Educational Rights and Privacy Act (FERPA)

Any student who has suppressed their directory information pursuant to Family Educational Rights and Privacy Act (FERPA) should self-identify to the instructor to ensure protection of the privacy of their attendance in this course. See [http://registrar.illinois.edu/ferpa](http://registrar.illinois.edu/ferpa) for more information on FERPA.

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<td>10/02/2019</td>
<td>Financial Analysis: Net Present Value</td>
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<td>13</td>
<td>10/07/2019</td>
<td>Business Plan Preparation</td>
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<td>14</td>
<td>10/09/2019</td>
<td>No class – work on your program</td>
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<td>15</td>
<td>10/14/2019</td>
<td>Turn in computer program</td>
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<td>16</td>
<td>10/16/2019</td>
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