

H-Form ISE 202

| Course Information: | |
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| Code and Title: | ISE 202 Financial Management for Engineering |
| Prerequisites: | MATH 205 - MATH 221T |
| Co requisite (if any) | - |
| Credit Hours: 2 | Lecture Hrs. (30), Tutorial Hrs. (15), Lab (0), Total Credits (45) |
| College/ Department: | College of Engineering/Industrial and Systems Engineering |

| Course Description: |
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| The course covers a broad range of topics and explains the relationships between customers, employees, and shareholders in a corporate environment. Course topics discuss 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. |

| Course Objectives: |
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| After completing the course, the student will be: |
| able to analyse engineering projects from a financial perspective. Benefit from improved skills in learning, problem solving, numeracy written communication and self-management. |

| Course Learning Outcomes | | |
|--------------------------|---|-----|
| | | PLO |
| Knowledge Understanding | | |
| 1.1 | Recognize the general concepts of finance and accounting | K1 |
| 1.2 | Identify the impact of financial management on decision making | K2 |
| Skills | | |
| 2.1 | Prepare the financial statements | S1 |
| 2.2 | Analyse the income, balance sheet and cash flow statements from finance point of view | S3 |
| 2.3 | Evaluating financial Ratios for Investments | S4 |

| Textbook: | | | |
|--------------------------------|---|--------------------------|---------------------|
| Title: | Fundamentals of Financial Management, | | |
| Author(s): | Eugene F. Brigham & Joel F. Houston, | | |
| Publisher: | Cengage Learning, | Year and Edition: | 13th Edition, 2013. |
| Other Useful Resources: | Financial Management for Engineers, Peter C. Flynn, Castle Rock Research Corporation, 4th Edition, 2010. Financial Management Principles and Applications, Keown, Martin, Petty, Scott, Prentice Hall, 10th Edition, 2005. | | |