**Engineering Economy**

**Professor** : Dr. Jaekyoung AHN (613, Tel. 970-6479, HP. 010-9720-6479, e-mail : jkahn@seoultech.ac.kr)

**Textbook** : L.T. Blank and A.J. Tarquin, Engineering Economy, 8th ed. McGraw Hill, 2018

**Class Schedule**

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| **WEEK(From~To)** | **Contents** |
| **1st**Week(02/21~02/26) | Introduction |
| **2nd**Week(02/28~03/05) | Chapter 1. Foundations of Engineering Economy |
| **3rd**Week(03/07~03/12) | Chapter 2. Factors: How time and interest affect money |
| **4th**Week(03/14~03/19) | Chapter 3. Combining Factors and Spreadsheet Functions |
| **5th**Week(03/21~03/26) | Chapter 4. Nominal and effective interest rates  **Chapter 1, 2, 3. Exercise Solving** |
| **6th**Week(03/28~04/02) | Chapter 5. Present worth analysis  Chapter 6. Annual worth analysis |
| **7th**Week(04/04~04/09) | Chapter 7. Rate of return Analysis: One Project  **Chapter 5, 6. Exercise Solving** |
| **8th**Week**(04/13 3 PM)** | **Midterm Exam** |
| **9th**Week(04/18~04/23) | Chapter 8. Rate of return Analysis: Multiple Alternatives  Chapter 9. Benefit/cost Analysis and public sector economics |
| **10th**Week(04/25~04/30) | **Chapter 7, 8, 9. Exercise Solving** |
| **11th**Week(05/02~05/07) | Chapter 14. Effects of inflation |
| **12th**Week(05/09~05/14) | Chapter 16. Depreciation methods |
| **13th**Week(05/16~05/21) | Chapter 17. After-tax economic analysis |
| **14th**Week(05/23~05/28) | Chapter 17. After-tax economic analysis II  **Chapter 14, 17. Exercise Solving** |
| **15th**Week **(06/01 3 PM)** | **Final Exam** |

# Grading

1. Attendance : 10%
2. HW and/or Quiz: 30% (Do It **YOURSELF**)
3. Final Exam : **60%** (A4 Clip Sheet 1 page)