

Syrian Arab Republic	 الجامعة الافتراضية السورية SYRIAN VIRTUAL UNIVERSITY	الجمهورية العربية السورية
Ministry of Higher Education and Scientific Research		وزارة التعليم العالي والبحث العلمي
Syrian Virtual University		الجامعة الافتراضية السورية

Course Description:

Course name: Engineering Economy EE

Program name: Building Information modeling

Prepared by:

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Course Description:

Engineering Economics is defined as the process of systematically evaluating the economic values of proposed alternatives to engineering problems.

Course Objectives(Learning outcomes):

1. Understand: Why Engineering Economy is important to engineers
2. Apply: the factors of Engineering Economy in decision making
3. Performing an Engineering Economy study
4. Evaluating engineering investments and making a comparison between alternatives through the application of engineering economics factors.
5. Learn to compare alternatives to engineering problems using the factors of engineering economy.

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Headlines:

1. Introduction to economics
2. value theory, Competitive market equilibrium
3. Introduction to engineering economics
4. How Time and Interest Affect Money
5. Tools for evaluating alternatives
6. Compare Alternatives, Making Choices

Subject	the week
Introduction to economics_ The Production Possibilities Frontier (PPF)	1
value theory, Competitive market equilibrium (The Demand)	2
value theory, Competitive market equilibrium (the Supply)	3
value theory, Competitive market (equilibrium price)	4
Introduction to engineering economics Why engineering economy is important to engineers Role of engineering economy in decision making	5

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Tools for evaluating alternatives_1	9
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Compare alternatives, Making Choices_1	11
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