Course Title: Machine Design II (620422)
Prerequisite: Machine Design I (620421)
Providing Dept.: Mechanical Engineering
Instructor: Dr. Mohammad Othman Office No: E62307, Tel: 582
Level: 4th year Credit Hours: 3
Semester: First, 2009-2010
Time: (10:10-11:10), Sunday, Tuesday, Thursday. Sec.1
Office Hours: (11:30-3:30) Sunday, Tuesday, Thursday.

Course Goals:

Time Schedule:
Duration: 16 Weeks
Lectures: 3 hours / week

Objectives:
The Students should be able to perform detailed design and selection of power transmission shafts, then select and specify mounting details of different types of bearings. Design hydrodynamic journal bearings. Select and specify gear parameters for specific power transmission requirements, and perform kinematics analysis and synthesis of gear trains. Design and / or select different types of clutches, brakes and flexible power transmission elements.

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Mode of Assessment

1. First Exam. (20%)
2. Second Exam. (25%)
3. H. works, and Quizzes (25%)
4. Final exam: (50%)

References
2. Fundamental of machine components design, By Juvinall.