



Course Weekly Outline

Course Name: Logic Design II

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|---------------------------|--|------------|---------|---------|------------|
| Course Instructor | | | | | |
| E-mail | | | | | |
| Title | | | | | |
| Course Coordinator | | | | | |
| Course Objective | <p>أ. أن يفهم الطالب أنظمة الاعداد والشفرات وطرق التحويل بينهم. ب. أن يعرف الطالب نظريات الجبر البوليني وكيفية تطبيقها. ج. أن يميز الطالب بين انواع البوابات المنطقية المختلفة وكيفية استخدامها. د. كيفية تصميم دائرة منطقية بنوع معين من البوابات المنطقية. هـ. كيفية استخدام مخططات كارنوف لاغراض التبسيط.</p> | | | | |
| Course Description | | | | | |
| Textbook | | | | | |
| References | | | | | |
| Course Assessments | Term Tests | Laboratory | Quizzes | Project | Final Exam |
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| General Notes | | | | | |
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Course Weekly Outline

| Week | Date | Topics Covered | Lab. Experiment Assignments | Notes |
|------|--------------------|---|-----------------------------------|-------|
| 1 | First week | Parallel Binary Adders | | / |
| 2 | Second week | Comparators , Decoders Encoders | | / |
| 3 | Third week | Code Converters . Multiplexers (Data Selectors). Demultiplexers | | / |
| 4 | Fourth week | Parity Generators/Checkers . Troubleshooting | | / |
| 5 | Fifth week | امتحان الشهر الاول | | / |
| 6 | Sixth week | Latches | | / |
| 7 | Seventh week | Flip-Flops Flip-Flop Operating Characteristics | | / |
| 8 | Eighth week | Flip-Flop Applications . One-Shots | | / |
| 9 | Ninth week | The Astable Multivibrator | | / |
| 10 | Tenth week | Applied Logic | | / |
| 11 | Eleventh week | امتحان الشهر الثاني | | / |
| 12 | Twelfth week | | | / |
| 13 | Thirteenth week | | | / |
| 14 | Fourteenth week | | | / |
| 15 | Fifteenth week | | | / |

Instructor Signature:

Dean Signature: