**ECCS 2311 Electric Circuits Section 3**

**Fall Semester 2017/18 Schedule**

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| **Wk #** | **Wk Begin** | **Monday** | **Wednesday** | **Friday** | **Laboratory** |
| 1 | 08/21 | 1.1-1.4 | 1.4-1.5 | 2.5-2.7 | Lab 0:  NABC & QFT |
|  |  | HW 1  1.3, 1.11, 1.16 | HW 2  2.6, 2.8, 2.11, 2.12 |
| 2 | 08/28 | 3.1-3.3 | 4.1-4.4 | 5.1-5.3 | Lab 1:  Ohm’s Law &  Power Rating |
|  | HW 3  3.2, 3.5, 3.6, 3.9 | HW 4  4.7, 4.9, 4.11, 4.13 | HW 5  5.2, 5.5, 5.7, 5.10 |
| 3 | 09/04 | **Labor day** | **Exam 1** | 6.1-6.2 | Lab 2:  KVL & Voltage Dividers |
|  | **No Class** | Covers Chapters 1-5 | HW 6  6.1, 6.3 |
| 4 | 09/11 | 6.2-7.1 | 7.1-7.2 | 8.1-8.2 | Lab 3:  Node & Mesh Analysis |
|  | HW 7  6.7, 6.9, 6.14, 7.6 | HW 8  7.4, 7.10, 7.12 | HW 9  8.1, 8.2, 8.3 |
| 5 | 09/18 | 8.3 | 8.3-8.4 | 8.5 | Lab 4: Superposition Theorem |
|  | HW 10  8.5, 8.8, 8.9 | HW 11  8.7, 8.10, 8.12 | HW 12  8.17, 8.18, 8.19 |
| 6 | 09/25 | 9.1-9.3 | 9.3  EML Project Assigned | **Exam 2** | Lab 5: Thevenin & Max Power |
|  | HW 13  9.2, 9.5, 9.6 | HW 14  9.9, 9.13, 9.14 | Covers Chapters 6-8 |
| 7 | 10/02 | 10.1-10.2 | 10.3 | 11.1-11.2 | Lab 6:  Op Amp Circuits  Team Charter Due |
|  | HW 15  10.3, 10.7, 10.8 | HW 16  10.14, 10.15, 10.19 | HW 17  11.3, 11.4, 11.11 |
| 8 | 10/9 | **Fall Break** | 11.3 | RC & RL examples | Lab 7:  Circuit Design (Take Home) |
|  | **No Class** | HW 18  11.12, 11.13, 11.16 | HW 19  11.6, 11.17 |
| 9 | 10/16 | 12.1-12.4 | 12.4.1-12.5 | **Exam 3** | Lab 8:  1st Order Circuit |
|  | HW 20  12.1, 12.2, 12.6, 12.8 | HW 21  12.9, 12.10, 12.11, 12.13 | Covers Chapters 9-11 |
| 10 | 10/23 | 12.6-12.8 | 12.9-12.11 | 13.1-13.4  Design Alts Due | Lab 9:  AC RC Circuit |
|  | HW 22  12.15, 12.16 | HW 23  12.17, 12.21, 12.22 | HW 24  13.6, 13.10, 13.11 |
| 11 | 10/30 | 13.4.1-13.5 | 14.1-14.3 | 14.3-14.4 | Lab 11: RLC Circuit |
|  | HW 25  13.14, 13.16, 13.20 | HW 26  14.1, 14.2, 14.4, 14.6 | HW 27  14.8, 14.11, 14.12 |
| 12 | 11/06 | 14.5 | 14.6-14.8 | 14.9-14.10 | Lab 10: AC Circuit Analysis |
|  | HW 28  14.13, 14.15 | HW 29  14.17, 14.18, 14.23 | HW 30  14.25, 14.27, 14.28 |
| 13 | 11/13 | **Exam 4** | 15.1-15.3 | 15.4 | Design Project Implementation |
|  | Covers Chapters 12-14 | HW 31  15.1, 15.2, 15.3 | HW 32  15.4, 15.5 |
| 14 | 11/20 | **Thanksgiving** | **Thanksgiving** | **Thanksgiving** | Lab 12: Take-Home |
|  | **No Class** | **No Class** | **No Class** |
| 15 | 11/27 | 15.4 | 15.4 | 15.5-15.6  Final Proposals Due | Lab 13: PF Correction |
|  | HW 33  15.6, 15.9 | HW 34  15.10, 15.11 | HW 35  15.12, 15.13, 15.15 |
| 16 | 12/04 | 16.1-16.6 | 16.6-16.9 | **Final Review** | Lab 14: 3 Phase Circuits  Project Demos |
|  | HW 36  16.4, 16.6, 16.7 | HW 37  16.9, 16.10 |  |