

LESSON PLAN

| Period | Date (Tentative) | Topic | Unit No. | Teaching Methodology | Remarks | Corrective Action Upon Review |
|--------|------------------|-------------------------|----------|----------------------|---------|-------------------------------|
| | | Multistage Amplifiers 2 | | BB | | |
| 1 | 2-2-15 | cascading transistors | | BB | | |
| 2 | 3-2-15 | Amplifiers, choice of | | BB | | |
| 3 | 4-2-15 | transistor configura- | | BB | | |
| | | tion in cascade | | BB | | |
| 4 | 6-2-15 | amplifier, high input | | BB | | |
| 5 | 9-2-15 | resistance transistors | | BB | | |
| 6 | 10-2-15 | Circuits, Darlington | | BB | | |
| | | pair, cascade amplifier | | BB | | |
| 7 | 11-2-15 | frequency response | | BB | | |
| | | and analysis of RC | | BB | | |
| 8 | 12-2-15 | Coupling, direct | | BB | | |
| 9 | 16-2-15 | Coupling and trans | | BB | | |
| 10 | 17-2-15 | resistor coupling, | | BB | | |
| 11 | 18-2-15 | difference Amplifier | | BB | | |
| 12 | 20-2-15 | two stage RC coupled | | BB | | |
| 13 | 23-2-15 | JFET amplifiers | | BB | | |
| | | Common Source | | BB | | |
| 14 | 24-2-15 | (CS) Configuration | | BB | | |

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| 15 | 25-2-15 | Feedback Amplifiers | 11 | BB | | |
| 16 | 27-2-15 | classification of Amps | | BB | | |
| 17 | 2-3-15 | Feedback concept, Transfer gain with f/A | | BB | | |
| 18 | 3-3-15 | General characteristics of negative feedback | | BB | | |
| 19 | 4-3-15 | amplifiers, Effect of feedback on input | | BB | | |
| 20 | 6-3-15 | and output resistance | | BB | | |
| 21 | 23-3-15 | method of analysis of feedback amplifier | | BB | | |
| 22 | 24-3-15 | Voltage Source, Voltage Shunt, current Source | | BB | | |
| 23 | 25-3-15 | and current Shunt | | BB | | |
| 24 | 30-3-15 | feedback amplifiers with discrete components | | BB | | |
| 25 | 31-3-15 | ponents and their analysis | | BB | | |

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| 26 | 1-4-15 | <u>Oscillators:</u> | <u>11</u> | BB | | |
| 27 | 3-4-15 | Condition for oscillations, RC-phase shift | | BB | | |
| 28 | 6-4-15 | Oscillators (using BJT and JFET) cont. | | BB | | |
| 29 | 7-4-15 | including derivation for frequency of | | BB | | |
| 30 | 8-4-15 | oscillation, Wien | | BB | | |
| 31 | 10-4-15 | bridge oscillators | | BB | | |
| 32 | 13-4-15 | LC oscillators | | BB | | |
| 33 | 14-4-15 | Hartley and Colpitts oscillators | | BB | | |
| 34 | 15-4-15 | Crystal oscillators | | BB | | |
| | | <u>Power Amplifiers:</u> | <u>12</u> | BB | | |
| 35 | 17-4-15 | Class A large signal | | BB | | |
| 36 | 20-4-15 | Amplifiers, Second | | BB | | |
| 37 | 21-4-15 | harmonic distortion | | BB | | |
| 38 | 22-4-15 | relations, Half-wave | | BB | | |
| 39 | 24-4-15 | harmonic distortion | | BB | | |

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| 40 | 27-4-15 | Transformer coupled | | BB | | |
| 41 | 28-4-15 | Audio power Amplifier | | BB | | |
| 42 | 29-4-15 | push-pull amplifier | | BB | | |
| 43 | 18-5-15 | class A Amplifier | | BB | | |
| 44 | 19-5-15 | class AB operation | | BB | | |
| 45 | 20-5-15 | Complementary symmetry | | BB | | |
| 46 | 25-5-15 | complementary push pull | | BB | | |
| 47 | 26-5-15 | amplifier, class D | | BB | | |
| 48 | 27-5-15 | Amplifier, class E | | BB | | |
| | | amplifier, MOSFET | | BB | | |
| 49 | 27-5-15 | power amplifier | | BB | | |
| 50 | 1-6-15 | Thermal stability | | BB | | |
| | | and Heat Sink | | BB | | |
| | | | | | | |
| | | Tuned Amplifiers | ✓ | BB | | |
| 51 | 2-6-15 | Single tuned amp | | BB | | |
| 52 | 3-6-15 | Staggered tuned | | BB | | |
| 53 | 5-6-15 | amplifier - analysis | | BB | | |
| 54 | 8-6-15 | Double Tuned | | BB | | |
| 55 | 9-6-15 | Amplifiers - Band | | BB | | |

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[illegible]