

JHU EP Electrical and Computer Engineering Expected Course Schedule

| <u>Course Number and Course Name</u> | | <u>Fall</u> | <u>Spring</u> | <u>Summer</u> |
|--------------------------------------|---|------------------|------------------|---------------|
| 525.201 | Circuits, Devices, and Fields (not for graduate credit) | Online | Online | Online |
| 525.202 | Signals and Systems (not for graduate credit) | Online | Online | Online |
| 525.605 | Intermediate Electromagnetics | Online | | Online |
| 525.606 | Electronic Materials | | APL (even years) | |
| 525.607 | Introduction to Electronic Packaging | | | APL |
| 525.608 | Next Generation Telecommunicatons | APL | | |
| 525.609 | Continuous Control Systems | Online | Online | |
| 525.610 | Microprocessors for Robotic Systems | | | |
| 525.612 | Computer Architecture | | Online | |
| 525.613 | Fourier Techniques in Optics | Online | | |
| 525.614 | Probability and Stochastic Processes for Engineers | APL, Online | APL, Online | Online |
| 525.615 | Embedded Microprocessor Systems | Online | Online | |
| 525.616 | Communication Systems Engineering | Online, APL | Online, APL | Online |
| 525.618 | Antenna Systems | Online | Online | |
| 525.619 | Introduction to Digital Image & Video Processing | | | APL |
| 525.620 | Electromagnetic Transmission Systems | APL (even years) | | |
| 525.621 | Introduction to Electronics and the Solid State | APL | | |
| 525.623 | Principles of Microwave Circuits | APL | Online | |
| 525.624 | Analog Electronic Circuit Design | Online | Online | |
| 525.625 | Laser Fundamentals | Online | | |
| 525.627 | Digital Signal Processing | Online | APL, Online | Online |
| 525.630 | Digital Signal Processing Lab | Online | | |
| 525.631 | Adaptive Signal Processing | | Online | |
| 525.634 | High Speed Digital Design & Signal Integrity | Online | | |
| 525.636 | Optics and Photonics Laboratory | | | |
| 525.638 | Introduction to Wireless Technology | Online | | |
| 525.640 | Satellite Communications Systems | Online | Online | |
| 525.642 | FPGA Design Using VHDL | APL, Online | APL, Online | Online |
| 525.645 | Modern Navigation Systems | Online | Online | |
| 525.646 | DSP Hardware Laboratory | | | APL |
| 525.648 | Introduction to Radar Systems | Online | APL | Online |
| 525.651 | Introduction to Electric Power Systems | Online | | |
| 525.654 | Communication Circuits Laboratory | | Online | |
| 525.658 | Digital VLSI System Design | Online | | |
| 525.659 | Mixed-Mode VLSI Circuit Design | | Online | |
| 525.661 | Unmanned Aerial Vehicles Systems and Control | Online | Online | |
| 525.666 | Linear System Theory | | VL (even years) | |
| 525.670 | Machine Learning for Signal Processing | Online | Online | |
| 525.684 | Microwave Systems and Receiver Design | | MP7 | Online |
| 525.691 | Fundamentals of Photonics | | Online | |
| 525.707 | Error Control Coding | | Online | |
| 525.708 | Iterative Methods in Communication Systems | APL | | |
| 525.718 | Multi-Rate Digital Signal Processing | Online | Online | |
| 525.721 | Advanced Digital Signal Processing | | Online | |
| 525.722 | Wireless and Mobile Cellular Communications | | Online | |

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|--------------------------------------|--|-------------|------------------|---------------|
| 525.724 | Introduction to Pattern Recognition | APL | | |
| 525.725 | Power Electronics | Online | | |
| 525.728 | Detection and Estimation Theory | APL | Online | |
| 525.732 | Advanced Analog Electronic Circuit Design | VL | | |
| 525.733 | Deep Vision | | APL | |
| 525.735 | MIMO Wireless Communications | | Online | |
| 525.738 | Advanced Antenna Systems | | | Online |
| 525.742 | System-on-a-Chip FPGA Design Laboratory | APL | APL | |
| 525.743 | Embedded Systems Development Laboratory | VL | VL | |
| 525.744 | Passive Emitter Geo-Location | VL | | |
| 525.745 | Applied Kalman Filtering | | VL | |
| 525.746 | Image Engineering | Online | Online | Online |
| 525.747 | Speech Processing | | APL | |
| 525.748 | Synthetic Aperture Radar | Online | | |
| 525.751 | Software Radio for Wireless Communications | Online | Online | |
| 525.752 | Digital Receiver Synchronization Techniques | | VL | |
| 525.753 | Laser Systems and Applications | | APL (odd years) | |
| 525.754 | Wireless Communication Circuits | | | |
| 525.756 | Optical Propagation, Sensing and Backgrounds | | APL (even years) | |
| 525.759 | Image Compression and Packet Video | Online | | |
| 525.761 | Wireless and Wireline Network Integration | | | APL |
| 525.762 | Signal Processing with Wavelets | APL | | |
| 525.770 | Intelligent Algorithms | | Online | |
| 525.771 | Propagation of Radio Waves in the Atmosphere | APL | | |
| 525.772 | Fiber-Optic Communication Systems | | | |
| 525.774 | RF and Microwave Circuits I | MP7 | | |
| 525.775 | RF and Microwave Circuits II | | MP7 | |
| 525.776 | Information Theory | | Online | |
| 525.777 | Control System Design Methods | | APL (odd years) | |
| 525.778 | Design for Reliability, Testability, and Quality Assurance | | | VL |
| 525.779 | RF Integrated Circuits | | MP7 (even years) | |
| 525.780 | Multidimensional Digital Signal Processing | | VL | |
| 525.783 | Spread Spectrum Communications | Online | | Online |
| 525.786 | Human Robotics Interaction | | MP7 | |
| 525.787 | Microwave Monolithic Integrated Circuit (MMIC) Design | VL | | |
| 525.788 | Power MMIC Design | | APL (odd years) | |
| 525.789 | Advanced Satellite Communications | | VL | |
| 525.790. | RF Power Amplifier Design Techniques | Online | | |
| 525.791 | Microwave Communications Laboratory | | | MP7 |
| 525.796 | Introduction to High Speed Electronics & Optoelectronics | | | APL |
| 525.797 | Advanced Fiber Optic Laboratory | | | |

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