

NIA Graduate Program: Spring '08

| GEORGIA TECH | | | |
|--|--|---------------|------------------------------|
| <i>Aerospace Engineering (MS and PhD)</i> | | | |
| AE 6322 QNI | Spacecraft Launch & Vehicle Design | Wilhite | +TTH 1:30 pm - 3:00 pm |
| AE 6334 Q | Rotorcraft Design II | Schrage | *TTH 1:30 pm - 3:00 pm |
| AE 6344 Q | Fixed-Wing Aircraft Design II | Mavris | *MW 3:00 pm - 4:00 pm |
| AE 6354 QNI | Advanced Orbital Mechanics | Russell | *MWF 11:00 am - 12:00 pm |
| AE 6361 Q | Air Breathing Propulsion System Design I | German/Mavris | *F 3:00 pm - 6:00 pm |
| AE 6374 Q | Advanced Design Methods II | Volovoi | *MWF 10:00 am - 11:00 am |
| AE 6440 Q | Turbine Engine Aerothermodynamics | Gaeta | *TTH 9:30 am - 11:00 am |
| AE 6503 Q | Helicopter Stability & Control | Prasad | *MWF 10:00 am - 11:00 am |
| AE 6766 Q | Combustion | Seitzman | *TTH 12:00pm - 1:30 pm |
| AE 8803 QVO | Advanced Reliability Methods | Volovoi | *MWF 12:00 pm - 1:00 pm |
| <i>Electrical & Computer Engineering (courses only)</i> | | | |
| ECE 4321 Q | Power System Engineering | Harley | Asynchronous streaming media |
| ECE 4420 Q | Digital Integ Circuits | TBA | |
| ECE 4753 Q | Topics in Engineering Practice | Whiteman | |
| ECE 6254 Q | Statistical Digital Signal Proc & Mod | TBA | |
| ECE 6255 Q | Digit Proc-Speech Signal | Clements | |
| ECE 6323 Q | Power System Protection | Melipoulos | |
| ECE 6453 Q | Theory Electronic Device | TBA | |
| ECE 6522 Q | Nonlinear Optics | Buck | |
| ECE 6552 Q | Nonlinear Systems & Control | Taylor | |
| ECE 6554 Q | Adaptive Control | TBA | |
| ECE 6555 Q | Optimal Estimation | Verriest | |
| ECE 6560 Q | Partial Differential Equations in Image Proc & Computer Vision | Yezzi | |
| ECE 6603 Q | Advanced Digital Communications | Li | |
| ECE 6612 Q | Computer Network Security | Copeland | |
| ECE 6744 Q3 | Topics in Engineering Practice | Whiteman | |
| ECE 6744 Q1 | Topics in Engineering Practice | Whiteman | |
| ECE 6744 Q2 | Topics in Engineering Practice | Whiteman | |
| ECE 8863 Q | Special Topics Sensor Networks | Akyildiz | |
| <i>Industrial Systems Engineering (courses only)</i> | | | |
| ISyE 6203 Q | Transp. And Supply Chain Systems | Vate | Asynchronous streaming media |
| ISyE 6230 Q | Economic Decision Analysis | Swann | |
| ISyE 6402 Q | Time Series Analysis | TBA | |
| ISyE 6413 Q | Design & Analysis of Experiments | Lu | |
| ISyE 6644 Q | Simulation | Goldsmann | |
| <i>Materials Science Engineering (courses only)</i> | | | |
| | Additional courses may be added | | |
| | For requests, contact NIA | | |
| <i>Mechanical Engineering (MS and Ph.D.)</i> | | | |
| ME 6102 Q | Designing Open Engr Sys | Mistree | Asynchronous streaming media |
| ME 6104 Q | Computer-Aided Design | Rosen | |
| ME 6105 Q | Modeling & Simulation-Design | Paredis | |
| ME 6203 Q | Inelastic Deform Solids | Zhou | |
| ME 6223 Q | Automated Mfg. Process Planning | Melkote | |
| ME 6224 Q | Machine Tool Analysis & Control | Liang | |
| ME 6243 Q | Fluid Film Lubrication | Green | |

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|-------------|--------------------------------|------------|---|
| ME 6301 Q | Conduction Heat Transfer | Zhang | CD ROM/Internet Asynchronous streaming media |
| ME 6302 Q | Convection Heat Transfer | Ghiaasiaan | |
| ME 6305 Q | Applications of Thermodynamics | Jeter | |
| ME 6403 Q | Digital Control Systems | Book | |
| ME 6442 Q | Vibration-Mechanical Systems | Ginsberg | |
| ME 6602 Q | Viscous Flow | Neitzel | |
| ME 6622 Q | Experimental Methods | Glezer | |
| ME 6744 QG1 | Topics in Engineering Practice | Whiteman | |
| ME 7774 Q | Fatigue-Materials & Structures | Johnson | |

All non-designated courses are offered asynchronously either via the Internet from a streaming server or with supplementary CDROMS/Video tapes sent via surface mail, with a 2 week delay.

**Synchronous (live) course received or delivered from NIA.*

+Instructor onsite at NIA