Aerospace Engineering Sciences
Textbooks for Spring 2015 Courses

GEEN 1400 - FR Engineering Projects –Jackson
No Textbook

ASEN 1022 – Aerospace Materials – Hussein

ASEN 1400 – Gateway to Space – Koehler
No Textbook

ASEN 2003 - Aero 3: Dynamics & Systems – Larson/Nerem

ASEN 2004 - Aero 4: Vehicle Design & Performance – Starkey/Parker

ASEN 3036 - Special Topics: Intro to Human Spaceflight – Voss
"Spacefaring, the Human Dimension" by Albert Harrison, Univ of California Press, 2002; ISBN 9780520236776

ASEN 3046 – Intro to Human Spaceflight – Scott

ASEN 3128 – Aircraft Dynamics – Frew

ASEN 3200 - Orbital Mechanics/Att Dyn & Control – Scheeres/Schaub

ASEN 3300 - Electronics & Communications – Sternovsky/Chu
"Practical Electronics for Inventors" by Scherz and Monk; Third Edition ISBN: 9780071771337

ASEN 4012 – Materials – Jackson

ASEN 4028 - Senior Projects 2: Design Practicum – Lawrence
No Textbook

ASEN 4519-001 – Aerospace Software – Evans
No Textbook

ASEN 5010 - Spacecraft Att Dyn/Controls – Schaub
ASEN 5016 – Space Life Sciences – Klaus
"Space Physiology", Buckley, Oxford University Press, 2006; ISBN 9780195137255

ASEN 5018/6028 – Graduate Projects – Tanner

ASEN 5022 – Dynamic Aero Structures – Doostan

ASEN 5053 – Rocket Propulsion – Kantha

ASEN 5148 - Spacecraft Design – McGrath
Check with Instructor

ASEN 5168 – Remote Sens Instr Design – Emery
No Textbook

ASEN 5210 – Remote Sensing Seminar – Emery
No Textbook

ASEN 5235 – Randall
"A First Course in Atmospheric Radiation"; ISBN: 9780972903318

ASEN 5245 – Radar and Remote Sensing – Thayer

ASEN 5307 – Engineering Data Analysis Methods – Emery

ASEN 5335 – Aerospace Environment – Li

ASEN 5519-001 – Compressible Flows – MCEN
Check with MCEN Instructor

ASEN 5519-002 – Commercial Spaceflight Operations Lab – Born/Cheetham
No Textbook

ASEN 6008-001 – Interplanetary Mission Design – Davis
No Textbook

ASEN 6037 – Turbulent Flows – MCEN
No Textbook

ASEN 6061 – Molecular Gas Dynamics – Argrow
"The DSMC Method"; ISBN: 9781492112907

ASEN 6090 – Advanced GNSS Software - Larson
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<td>ASEN 6327</td>
<td>CFD Structured Grid – Biringen</td>
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<td>ASEN 6519-002</td>
<td>Atmospheric Tides and Planetary Waves – Forbes</td>
<td>No Textbook</td>
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<td>ASEN 6519-005</td>
<td>Space Vehicle Guidance and Control – McMahon</td>
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