

| Spring 2016 Schedule    |       |     |      | 1/22/2016                                  | AEROSPACE ENGINEERING SCIENCES |                 |                                 |                  | SPRING 2016 |         |       |  |
|-------------------------|-------|-----|------|--|--------------------------------|-----------------|---------------------------------|------------------|-------------|---------|-------|--|
| SUBJ                    | CRS # | SEC | CRED | TITLE                                      | DAYS                           | TIME            | BLDG/ROOM                       | INSTRUCTOR       | BBA?        | MAX     | LY #  | Notes                                    |
| <b>UNDERGRADUATE</b>    |       |     |      |  |                                |                 |                                 |                  |             |         |       |  |
| GEEN                    | 1400  | 090 | 3    | FR Engr Projects                           | M                              | 3:00-3:50pm     | ITLL 150                        | Jackson          |             |         |       |  |
| GEEN                    | 1400  | 091 | 0    | FR Engr Projects                           | WF                             | 2:00-3:50pm     | ITLL 150                        | Jackson          |             |         |       |  |
| ASEN                    | 1022  | 001 | 3    | Aerospace Materials                        | MWF                            | 2:00-2:50pm     | MATH 100                        | Maute            |             | 425     |       |  |
| ASEN                    | 1400  | 001 | 3    | Gateway to Space                           | Tu Th                          | 9:30-10:45am    | ITLL 1B50                       | Koehler          |             | 50/64   |       | Combined with ASTR 2500                  |
| ASEN                    | 2003  | 020 | 5    | Aero 3: Dynamics & Systems                 | Tu Th                          | 8:00-9:15am     | DUAN G1B20                      | Larson, Nerem    |             | 135/215 |       |  |
| ASEN                    | 2003  | 021 | 0    | Lab  | M W                            | 1:00 - 2:50pm   | ITLL 2B10                       |                  |             | 45      |       |  |
| ASEN                    | 2003  | 022 | 0    | Lab  | M W                            | 3:00 - 4:50pm   | ITLL 2B10                       |                  |             | 45      |       |  |
| ASEN                    | 2004  | 020 | 5    | Aero 4: Vehicle Design & Perf              | Tu Th                          | 11:00-12:15pm   | CHEM 140                        | Gerren, Clark    |             | 135/491 |       |  |
| ASEN                    | 2004  | 021 | 0    | Lab  | M W                            | 8:00 - 9:50am   | ITLL 2B10                       |                  |             | 45      |       |  |
| ASEN                    | 2004  | 022 | 0    | Lab  | M W                            | 10:00 - 11:50am | ITLL 2B10                       |                  |             | 45      |       |  |
| ASEN                    | 2004  | 024 | 0    | Lab  | Tu Th                          | 2:00-3:50pm     | ITLL 2B10                       |                  |             | 45      |       |  |
| ASEN                    | 3036  | 001 | 3    | Special Topics: Intro to Human Spaceflight | Tu Th                          | 9:30-10:45am    | ECCR 265                        | Voss             |             | 152     |       |  |
| ASEN                    | 3046  | 001 | 3    | Humans in Aviation                         | W                              | 6:00-8:50pm     | ECCR 200                        | Scott            |             | 152     |       |  |
| ASEN                    | 3128  | 010 | 4    | Aircraft Dynamics                          | Tu Th                          | 2:00 - 3:15pm   | ECCR 200                        | Frew, Ahmed      |             | 80/106  |       |  |
| ASEN                    | 3128  | 011 | 0    | Lab  | M                              | 1:00 - 2:50pm   | ITLL 1B10                       |                  |             | 40      |       |  |
| ASEN                    | 3128  | 012 | 0    | Lab  | W                              | 1:00 - 2:50pm   | ITLL 1B10                       |                  |             | 40      |       |  |
| ASEN                    | 3200  | 010 | 4    | Orbit Mech/Att Dyn & Control               | Tu Th                          | 8:00-9:15am     | ATLS 100                        | Axelrad/Parker   |             | 80/106  | 87/29 |  |
| ASEN                    | 3200  | 011 | 0    | Lab  | F                              | 10:00 - 11:50am | ITLL 2B10                       |                  |             | 40      |       |  |
| ASEN                    | 3200  | 012 | 0    | Lab  | F                              | 1:00 - 2:50pm   | ITLL 2B10                       |                  |             | 40      |       |  |
| ASEN                    | 3300  | 010 | 4    | Electronics & Communications               | W F                            | 3:00 - 3:50pm   | ECCR 200                        | Akos, Sternovsky |             | 90/106  | 86    |  |
| ASEN                    | 3300  | 011 | 0    | Lab  | Tu Th                          | 10:00-11:50am   | ITLL 2B10                       |                  |             | 90      |       |  |
| ASEN                    | 4012  | 001 | 3    | Materials                                  | M W F                          | 9:00 - 9:50am   | ECCR 200                        | Jackson          |             | 106     | 76/31 |  |
| ASEN                    | 4028  | 010 | 4    | Senior Projects 2: Design Practicum        | M W                            | 4:00 - 4:50pm   | ECCR 200                        | Nabity           |             | 106     | 76/63 | PAB - Tanner, Marshall, Starkey, Jackson |
| ASEN                    | 4028  | 011 | 0    | Lab  | Tu Th                          | 12:16 - 1:56pm  | Lockheed Martin/Seebass/Onizuka |                  |             | 106     |       |  |
| ASEN                    | 4519  | 010 | 3    | Aerospace Software                         | M W                            | 10:00-10:50am   | ECCR 1B51                       | Evans            |             | 36      |       |  |
| ASEN                    | 4519  | 011 | 0    | Aerospace Software Lab                     | TuTh                           | 3:30-4:20pm     | ECCE 141                        |                  |             | 36      |       |  |
| *COMBINED COURSES       |       |     |      |  |                                |                 |                                 |                  |             |         |       |  |
|                         |       |     |      |  |                                |                 |                                 |                  |             |         |       |  |
| SUBJ                    | CRS # | SEC | CRED | TITLE                                      | DAYS                           | TIME            | BLDG/ROOM                       | INSTRUCTOR       | BBA?        | MAX     | LY #  | Notes                                    |
| <b>GRADUATE COURSES</b> |       |     |      |  |                                |                 |                                 |                  |             |         |       |  |
| ASEN                    | 5010  | 001 | 3    | Spacecraft Att Dyn/Controls                | Tu Th                          | 8:00-9:15am     | ECCS 1B28                       | Schaub           | BBA         | 77      | 32/16 |  |
| ASEN                    | 5016  | 001 | 3    | Space Life Sciences                        | Tu Th                          | 2:00 - 3:15pm   | ECCS 1B28                       | Klaus            | BBA         | 77      | 32/16 |  |
| ASEN                    | 5018  | 010 | 3    | Graduate Projects 1*                       | M                              | 11:00 - 11:50am | ECCR 200                        | Tanner           |             | 64/106  |       |  |
| ASEN                    | 5018  | 011 | 0    | (lab) - Bioastronautics Human Spaceflight  | Tu Th                          | 11:00-12:50     | ECAE 104                        | Voss             |             | 8       |       |  |
| ASEN                    | 5018  | 012 | 0    | (lab) - Cubesat*                           | MW                             | 1:00-2:50pm     | ECAE 1B16 (LM)                  | Palo             |             | 5       |       |  |
| ASEN                    | 5018  | 013 | 0    | (lab) - AMARCS                             | M W                            | 3:00-4:50pm     | ECAE 104                        | Kantha           |             | 5       |       |  |
| ASEN                    | 5018  | 014 | 0    | (lab) - LifeLAB ECLSS*                     | M W                            | 9:00-10:50am    | ECAE 104                        | Nabity           |             | 5       |       |  |
| ASEN                    | 5018  | 015 | 0    | (lab) - X-Hab*                             | M W                            | 1:00-2:50pm     | LM and ECAE 104                 | Tanner           |             | 5       |       |  |
| ASEN                    | 5018  | 016 | 0    | (lab) - GoJett*                            | M F                            | 9:00 - 10:50am  | ECAE 1B16 (LM)                  | Starkey          |             | 5       |       |  |
| ASEN                    | 5018  | 017 | 0    | (lab) - Drones vs. Zombies                 | W F                            | 9:00-10:50am    | RECUV Lab                       | Frew             |             | 5       |       |  |
| ASEN                    | 5018  | 018 | 0    | (lab) - UAS Project                        | Tu Th                          | 2:00-3:50pm     | ECAE 104                        | Argrow           |             | 5       |       |  |
| ASEN                    | 5022  | 001 | 3    | Dynamics of Aero Structures                | MWF                            | 1:00-1:50pm     | ECCR 116                        | Neogi            |             | 27      |       |  |

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|------|------|-----|---|--|-------|-----------------|-----------------|---------------|-----|--------|-------|--|
| ASEN | 5037 | 001 | 3 | Turbulent Flows*                             | Tu Th | 12:30-1:45pm    | FLMG 103        | Evans         |     | 46     | 7     |  |
| ASEN | 5053 | 001 | 3 | Rocket Propulsion                            | Tu Th | 3:30 - 4:45pm   | ECCS 1B28       | Kantha        | BBA | 77     |       |  |
| ASEN | 5148 | 001 | 3 | Spacecraft Design                            | Tu Th | 9:30 - 10:45am  | ECCS 1B12       | McGrath       | BBA | 94     |       |  |
| ASEN | 5151 | 001 | 3 | High Speed Aerodynamics                      | Tu Th | 8:00-9:15am     | ECCS 1B12       | Argrow        |     | 94     |       |  |
| ASEN | 5210 | 001 | 1 | Remote Sensing Seminar                       | W     | 4:00-4:50pm     | ECCS 1B14       | Emery         | BBA | 27     | 14/8  |  |
| ASEN | 5235 | 001 | 3 | Intro Atm Rad Trans & Rs                     | Tu Th | 9:30-10:45am    | SEEC N129       | ATOC          |     | 37/15  |       |  |
| ASEN | 5245 | 001 | 3 | Radar and Remote Sensing                     | Tu Th | 5:00-6:15pm     | ECCS 1B14       | Palo          | BBA | 30     | 18/11 |  |
| ASEN | 5307 | 001 | 3 | Engineering Data Analysis Methods            | MWF   | 10:00 - 10:50am | ECCS 1B28       | Emery         | BBA | 77     | 17/9  |  |
| ASEN | 5335 | 001 | 3 | Aerospace Environment                        | TuTh  | 12:30-1:45pm    | ECCR 150        | Knipp         | BBA | 48     | 18/10 |  |
| ASEN | 5519 | 001 | 3 | Commercial Spaceflight Ops Lab               | Tu    | 3:00-4:15pm     |                 | Cheetham/Born |     | 27     |       |  |
| ASEN | 5519 | 002 | 3 | Design Optimization of Aero Structure        | TuTh  | 2:00-3:15pm     | ECCR 116        | Maute         |     | 27     |       |  |
| ASEN | 5519 | 005 | 3 | CFD Unstructured Grid                        | MWF   | 9:00-9:50am     | ECCS 1B12       | Jansen        |     | 94     |       |  |
| ASEN | 5519 | 004 | 3 | Boundary Layers, Convection, and Applied CFD | Tu Th | 11:00am-12:15pm | ECCR 155        | Jansen        |     | 48     |       |  |
| ASEN | 6008 | 002 | 3 | Interplanetary Mission Design                | TuTh  | 5:00-6:15pm     | DUAN G2B47      | Kubitschek    |     | 27     |       |  |
| ASEN | 6028 | 010 | 3 | Graduate Projects 1*                         | M     | 11:00 - 11:50am | ECCR 200        | Tanner        |     | 64/106 | N/A   |  |
| ASEN | 6028 | 011 | 0 | (lab) - Bioastronautics Human Spaceflight    | Tu Th | 11:00-12:50     | ECAE 104        | Voss          |     | 8      |       |  |
| ASEN | 6028 | 012 | 0 | (lab) - Cubesat*                             | MW    | 1:00-2:50pm     | ECAE 1B16 (LM)  | Palo          |     | 5      |       |  |
| ASEN | 6028 | 013 | 0 | (lab) - AMARCS                               | M W   | 3:00-4:50pm     | ECAE 104        | Kantha        |     | 5      |       |  |
| ASEN | 6028 | 014 | 0 | (lab) - LifeLAB ECLSS*                       | M W   | 9:00-10:50am    | ECAE 104        | Nabity        |     | 5      |       |  |
| ASEN | 6028 | 015 | 0 | (lab) - X-Hab*                               | M W   | 1:00-2:50pm     | LM and ECAE 104 | Tanner        |     | 5      |       |  |
| ASEN | 6028 | 016 | 0 | (lab) - GoJett*                              | M F   | 9:00 - 10:50am  | ECAE 1B16 (LM)  | Starkey       |     | 5      |       |  |
| ASEN | 6028 | 017 | 0 | (lab) - Drones vs. Zombies                   | W F   | 9:00-10:50am    | RECUV Lab       | Frew          |     | 5      |       |  |
| ASEN | 6028 | 018 | 0 | (lab) - UAS Project                          | Tu Th | 2:00-3:50pm     | ECAE 104        | Argrow        |     | 5      |       |  |
| ASEN | 6080 | 001 | 3 | Stat Orbit Determination 2                   | MW    | 8:30-9:45am     | ECCS 1B14       | McMahon       | BBA | 30     |       |  |
| ASEN | 6107 | 001 | 3 | Nonlinear FEM                                | Tu Th | 12:30-1:45pm    | ECCS 1B14       | Felippa       | BBA | 30     |       |  |
| ASEN | 6519 | 001 | 3 | Lidar Remote Sensing                         | MWF   | 2:00-2:50pm     | ECCS 1B28       | Chu           | BBA | 77     |       |  |
| ASEN | 6519 | 004 | 3 | Uncertainty Quantification                   | Tu Th | 9:30-10:45am    | ECCR 150        | Doostan       |     | 27     |       |  |
| ASEN | 6519 | 005 | 3 | Info Gathering                               | Tu Th | 11:00-12:15     | ECCR 139        | Frew          |     | 27     |       |  |
| ASEN | 6519 | 006 | 3 | Experimental Fluid Mechanics                 | Tu Th | 2:00-3:15pm     | ECCR 131        | Farnsworth    |     | 27     |       |  |
|      |      |     |   |  |       |                 |                 |               |     |        |       |  |
|      |      |     |   |  |       |                 |                 |               |     |        |       |  |
|      |      |     |   | *COMBINED COURSES                            |       |                 |                 |               |     |        |       |  |