Summer 2021 Registration Announcement

The University of Tennessee Space Institute
411 B.H. Goethert Parkway
Tullahoma, TN  37388-9700
888-822-8874 ext. 37228
www.utsi.edu
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### CALENDAR - SUMMER SEMESTER 2021

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<tr>
<td>Priority Registration</td>
<td>March 22, 2021</td>
</tr>
<tr>
<td>Admission to Candidacy Forms for Summer 2021 Commencement</td>
<td>April 26, 2021</td>
</tr>
<tr>
<td>Summer 2021 Graduation Application Deadline submit online at MyUTK</td>
<td>April 26, 2021</td>
</tr>
<tr>
<td>Graduation Fee Payment Deadline (MS $30, PhD $75)</td>
<td>April 26, 2021</td>
</tr>
<tr>
<td>Memorial Day Holiday</td>
<td>May 31, 2021</td>
</tr>
<tr>
<td>Priority Registration Payment Deadline 4:30 p.m. EST</td>
<td>TBD</td>
</tr>
<tr>
<td>Late Registration and late fees ($100 Late Fee)</td>
<td>TBD</td>
</tr>
<tr>
<td>Classes begin</td>
<td>June 1, 2021</td>
</tr>
<tr>
<td>Last Day to Final Register, Add, Change Grading Options or Drop Without a “W”</td>
<td>TBD</td>
</tr>
<tr>
<td>Late Registration and late fees after 14th day ($200 Late Fee)</td>
<td>TBD</td>
</tr>
<tr>
<td>Independence Day Holiday</td>
<td>July 5, 2021</td>
</tr>
<tr>
<td>Last day to schedule final exam (dissertation students)</td>
<td>July 2, 2021</td>
</tr>
<tr>
<td>Last day to Defend (thesis/dissertation)</td>
<td>July 9, 2021</td>
</tr>
<tr>
<td>Drop with a “W”</td>
<td>TBD</td>
</tr>
<tr>
<td>Electronic Thesis/Dissertation to TRACE (5:00 P.M. Eastern Time)</td>
<td>July 23, 2021</td>
</tr>
<tr>
<td>Submit report of final examination (Pass/Fail) form</td>
<td>July 23, 2021</td>
</tr>
<tr>
<td>Deadline for Submission of Admission to Candidacy for students</td>
<td>July 29, 2021</td>
</tr>
<tr>
<td>Graduating Fall 2021 and Graduation Application</td>
<td>July 29, 2021</td>
</tr>
<tr>
<td>Classes End</td>
<td>July 29, 2021</td>
</tr>
<tr>
<td>Exam Period (Exams are given during the regularly scheduled class meeting times.)</td>
<td>July 29, 2021</td>
</tr>
<tr>
<td>Total Withdraw from the University Deadline</td>
<td>TBD</td>
</tr>
<tr>
<td>Deadline for removing “INCOMPLETE” grades</td>
<td>July 30, 2021</td>
</tr>
<tr>
<td>No Commencement Ceremony or Graduate Hooding – Graduation Date</td>
<td>July 31, 2021</td>
</tr>
<tr>
<td>Second thesis/dissertation deadlines</td>
<td></td>
</tr>
<tr>
<td>Defense Completed by July 30, 2021</td>
<td></td>
</tr>
<tr>
<td>Second Deadline Application Submitted by July 30, 2021</td>
<td></td>
</tr>
<tr>
<td><a href="https://gradschool.utk.edu/forms-central/">https://gradschool.utk.edu/forms-central/</a></td>
<td></td>
</tr>
<tr>
<td>and submit a new graduation application for Fall graduation</td>
<td></td>
</tr>
<tr>
<td>Thesis/Dissertation Submitted and Accepted by August 17, 2021 (5:00 P.M. Eastern Time)</td>
<td></td>
</tr>
<tr>
<td>(Student will receive diploma fall 2020 semester, but will not be required to register for thesis/dissertation credits)</td>
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### FALL SEMESTER 2021

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority Registration</td>
<td>April 5, 2021</td>
</tr>
<tr>
<td>Late Registration</td>
<td>TBD</td>
</tr>
<tr>
<td>Classes Begin</td>
<td>August 18, 2021</td>
</tr>
<tr>
<td>Labor Day Holiday</td>
<td>September 6, 2021</td>
</tr>
<tr>
<td>Fall Break</td>
<td>September 30 – October 1, 2021</td>
</tr>
<tr>
<td>No Class Day</td>
<td>November 24, 2021</td>
</tr>
<tr>
<td>Thanksgiving Break</td>
<td>November 25 – 26, 2021</td>
</tr>
<tr>
<td>Classes End</td>
<td>December 1, 2021</td>
</tr>
<tr>
<td>Study Period</td>
<td>December 2, 2021</td>
</tr>
<tr>
<td>Exam Period</td>
<td>December 3, 6 &amp; 7, 2021</td>
</tr>
<tr>
<td>Graduate Hooding Ceremony (UTK)</td>
<td>TBD</td>
</tr>
<tr>
<td>Commencement (UTK)</td>
<td>TBD</td>
</tr>
</tbody>
</table>
Official Graduation Date............................................................December 11, 2021

Dates may be revised without notice. Please refer to the following sites for updates:

http://registrar.tennessee.edu/academic_calendar/index.shtml
https://gradschool.utk.edu/graduation/
SUMMER SEMESTER 2021

EXAM SCHEDULE

LAST DAY OF CLASSES ............................................................................................................. July 29, 2021

FINAL EXAMS FOR SUMMER ARE GIVEN DURING THE REGULARLY SCHEDULED CLASS MEETING TIMES.

**** ATTENTION ****

ALL STUDENTS TAKING RECORDED COURSES
CONTACT INSTRUCTOR FOR DATE AND TIME OF FINAL EXAM
REGISTRATION ANNOUNCEMENT
SUMMER SEMESTER 2021

REGISTRATION PROCEDURE

GRADUATE ACADEMIC ADVISING

Graduate students should contact your departmental faculty to arrange an advising appointment. If you’re not accepted into a specific program, the assistant to the dean of graduate studies or the designee may act as your advisor. When the web registration system asks if you’ve discussed your program with your advisor, you must answer yes to continue with the registration process.

REGISTRATION

Students will register at http://my.utk.edu. You will need to log in using your NetID and your NetID password. If you do not know your NetID and NetID password, go to http://onestop.utk.edu/your-classes/registering-for-classes/.

*Log in to MyUTK. You can find a link by looking under “M” on the A-Z index (http://www.utk.edu/alpha/) or by typing myutk.utk.edu directly into your browser. You will need to log in by typing utk/your NetID in the “username” field and then your NetID password in the “password” field.

*Before you attempt to register, clear and pay any financial holds (parking tickets, library fines, fees, etc.).

*Look under the “For Your Review” heading on the MyUTK portal page (located in the upper right-hand corner) for notification of any holds you may have.

*Once you are logged into “My UTK,” scroll down to “UTK Student Registration Links.” Click on “Search for Classes” to look up sections and then register.

*Print a copy of your schedule when you are finished registering.

If you have any questions, call the Office of the University Registrar at 865-974-2101 or contact Charlene Hane in Student Services room D-100, phone 931-393-7228, email chane@utsi.edu.

TOLL-FREE NUMBERS

For a specific office: ......................................... 1-888-822-UTSI (8874) and the extension number. For general information: .......................................................... 1-888-822-UTSI (8874)
Admissions Office: .......................................................... 1-888-822-UTSI (8874)-37228
Budget and Finance Office: .............................................. 1-888-822-UTSI (8874)-37297
Student Services .......................................................... 1-888-822-UTSI (8874)-37228

APPLICATION FOR ADMISSION

No student will be allowed to register unless a completed Application to the Graduate School of the University of Tennessee, Knoxville (UTK) is on file in the Registrar's Office. An Application for Admission to the UTK Graduate School must be completed online at https://www.applyweb.com/utg and accompanied by a $60.00 non-refundable application fee made payable to The University of Tennessee Space Institute. All applicants are required to
provide one official transcript of all undergraduate and graduate records, GRE test scores and three letters of recommendation when applying. International applicants will also need to include TOEFL scores. GRE scores are a requirement of all departments at UTSI except the Master of Science degree in Industrial Engineering/Engineering Management concentration. Please select UT Space Institute if you plan to attend the Tullahoma campus location. All applications need to be submitted online to the office of Graduate Admissions Knoxville, TN.

Graduate Research Assistantship applications need to be submitted to Charlene Hane, Student Affairs, University of Tennessee Space Institute, MS-7, Tullahoma, TN 37388-9700. Assistantship applications must include GRE test scores and three letters of recommendation. All International applicants will need to provide TOEFL test scores in addition to GRE’s. Official transcripts and test scores should be sent to College Code 1843, Graduate Admissions Office, 201 Student Services Building, Knoxville, TN 37996-0221. Once admitted, a full admission will not be granted until all official test scores and degree confirmation are received in the Graduate Admissions Office in Knoxville. Please contact Charlene Hane at (931) 393-7228 or 888-822-8874 ext. 37228 if you have questions.

TOTAL WITHDRAWAL FROM THE UNIVERSITY

If, after registering for classes and either returning your fee payment or your Confirmation of Attendance form to the Bursar’s Office, you decide not to enroll for this term, you must immediately notify Charlene Hane, Student Affairs, at UTSI. If you withdraw officially on or before a Change of Registration deadline, but after the no “W” deadline for a particular session, the grade of “W” will be issued.

GRADES

Students may obtain their grades through the web at MyUTK or contact Charlene Hane, Student Affairs, Office D-100, (931) 393-7228.

GRADUATE STUDENTS CHANGE OF REGISTRATION AFTER THE DEADLINE

To change registration in any way after the deadline, a graduate student must present a request, signed by the instructor(s) and adviser as evidence of their knowledge of the request to Charlene Hane, Student Affairs at UTSI. Graduate students must verify that ALL changes have been approved by their academic adviser. If the Office of Graduate Student Services approves the change of registration, the change will be noted on the student’s permanent record. THE DROP DEADLINE FOR GRADES AND THE DROP DEADLINE FOR FEE REFUNDS ARE NOT THE SAME.

FULL-TIME STUDENTS

Nine credit hours are considered full-time for graduate students. Graduate Research Assistants (GRAs) with one-half assistantship are required to register for at least 6 credit hours during the fall/spring semesters and 3 credit hours during the summer semester. GRAs must also register in one of the MABE 595 seminars or a Phys 599 seminar each semester in which seminars are offered, unless a waiver is granted by the Associate Executive Director.

The residency requirement for doctoral students is 9 credit hours for two consecutive semesters or 6 credit hours for three consecutive semesters.
REMOVAL OF INCOMPLETE GRADES

All Incomplete Grades (I) must be removed prior to graduation. The instructor, in consultation with the student, decides the terms for the removal of the I, including the time limit for removal. If the I is not removed within one calendar year, the grade will be changed to an F. The course will not be counted in the cumulative grade point average until a final grade is assigned. No student may graduate with an I on the record. Students planning to graduate Summer Semester 2020 must remove all INCOMPLETE GRADES by July 30, 2021. Contact Charlene Hane, Student Affairs, to remove an Incomplete Grade.

REPEATING A COURSE

A graduate student may repeat up to two courses in which they earned a grade of D or F.

• The decision to repeat a course is made between the student and the advisor / major professor.
• Each course may only be repeated once.
• The original and repeat grades will be included in the calculation of the cumulative grade point average (GPA).
• Credit hours will only be counted once towards meeting degree/program requirements.

Programs may prohibit students from repeating courses.

Approval Process: To re-enroll in a class in order to improve an earned grade, the graduate student must complete a petition for consideration by the Dean of the Graduate School.

ADMISSION TO CANDIDACY

MASTER OF SCIENCE DEGREE:

Each M.S. student, including IE Capstone Project students, is responsible for submitting a completed and signed Admission to Candidacy Application at least one semester prior to receiving the degree.

Candidacy committee changes or course changes must be submitted to the committee chairman using a Revision form. If changing from a thesis option to a non-thesis option or vice versa, a new Admission to Candidacy Application must be submitted. All forms must be processed through Student Services.

DOCTORAL DEGREE:

A Doctoral Committee should be formed during the student's first year of doctoral study. Any changes to the doctoral committee (deletions or additions) must be submitted to the Committee Chairman using a Revision form for approval. Each doctoral student is responsible for submitting a completed Admission to Candidacy form signed by the doctoral committee at least one semester prior to receiving the degree. All forms must be processed through Student Services.

CONTINUOUS ENROLLMENT

All degree-seeking graduate students are expected to make a full commitment to their graduate and professional study in order to ensure that they can complete all degree requirements without unnecessary delay. Graduate students are therefore required to maintain an active status through continuous enrollment from the time of first enrollment until graduation.
Continuous enrollment is maintained by registering for a minimum of one graduate credit hour per semester (excluding the summer, unless stipulated otherwise by the program or department). However, students who have started taking dissertation hours (course 600) must maintain a minimum of three credit hours per semester during all semesters, including the summer, as stipulated in the policy on "Registration for Course 600 (Doctoral Research and Dissertation)" in order to comply with the Continuous Enrollment requirement (see under Doctoral Programs for details).

The minimum enrollment for international students may be different, and international students always need to check with the Center for International Education (CIE) in order to determine what minimum enrollment they need to maintain in order to satisfy all enrollment requirements attached to their specific visa.

CONSEQUENCES OF NON-ENROLLMENT WITHOUT LEAVE OF ABSENCE

Graduate students who do not maintain continuous enrollment as stipulated in the "Continuous Enrollment" policy will lose their active student status. A student who has lost his or her active status without having been granted a Leave of Absence for the period of non-enrollment ahead of time will not be allowed to continue in his her graduate program until readmitted. (see policy on "Readmission" in the Graduate Catalog for more details).

Non-enrollment other than during an approved Leave of Absence (LOA) does not alter or affect any of the milestone deadlines, such as admission to candidacy, time to degree, and other milestones depending upon the program.

Upon approval for readmission to complete the interrupted degree program, students will be retroactively enrolled in every semester of missed enrollment for one graduate credit hour of Course 502 or for three graduate credit hours of Course 600 (whichever is appropriate). Students will be responsible for paying the past tuition charges and fees as well as the current university per semester late registration penalty. All past due charges will need to be paid before the Graduate School will approve the student for any future enrollment. For more information, go to: https://catalog.utk.edu/content.php?catoid=27&navoid=3506#leave_absence_reinstate

FINAL EXAM FOR NON-THESIS, CAPSTONE PROJECT STUDENTS, THESIS AND DISSERTATION STUDENTS

A candidate presenting a thesis or dissertation must pass a final oral examination on all work offered for the degree. The examination is scheduled through Student Services. Failure to notify Student Services of the examination date will put the student at risk for graduating that semester. Final examinations not properly scheduled MUST be repeated. The final draft of the thesis must be distributed to the committee members at least two weeks prior to the date of the final examination. In case of a grade of "Fail", the candidate may not apply for re-examination until the following semester. The result of the second examination is final.

UT POLICY ON INSURANCE FOR INTERNATIONAL STUDENTS

All foreign national students registered with the University of Tennessee, Knoxville, are required to have comprehensive medical insurance. The policy for the 2021-2022 academic year is provided by United HealthCare Student Resources. The premium must be paid before registration. Contact the Student Affairs Office (room D-100 ext. 37228) for further information.
GENERAL SEMINAR

A number of seminars of interest to all UTSI students and general public will be offered throughout the semester.

FINAL EXAM DATES

Final exams for summer are given during the regularly scheduled class meeting time.

FINANCIAL CALENDAR, FEES, REFUNDS, AND TUITION

Please click http://onestop.utk.edu/tuition-fees/ link to the most current information.

The UTSI Budget and Finance Accounts Receivable Office will no longer accept payment for tuition and fees by credit card. All students will need to login to MyUTK One Stop to make secure payments online.

Please see One Stop - Paying Tuition and Fees webpage for more details http://onestop.utk.edu/pay/.

HONOR STATEMENT

The following Honor Statement is signed by all students applying to The Graduate School:

"An essential feature of The University of Tennessee, Knoxville is a commitment to maintaining an atmosphere of intellectual integrity and academic honesty. As a student of the University, I pledge that I will neither knowingly give nor receive any inappropriate assistance in academic work, thus affirming my own personal commitment to honor and integrity."

For official information on all UTK Graduate School policies, refer to the current UTK Graduate Catalog available at http://catalog.utk.edu. The student handbook “Hilltopics” is available online at https://hilltopics.utk.edu/

The University of Tennessee Space Institute reserves the right to cancel any class with an insufficient number of students, or for other reasons.

THE UNIVERSITY OF TENNESSEE POLICY ON A DRUG-FREE CAMPUS AND WORKPLACE

In support of the Drug-Free Workplace Act of 1988 (Public Law 100-690) and the Drug-Free Schools and communities Act of 1989, the University of Tennessee is notifying all students, faculty, and staff of the following university policy approved by the UT Board of Trustees on 21 June 1990.

It is the policy of the University of Tennessee to maintain a safe and healthful environment for its students and employees. Therefore, university policy prohibits the unlawful use, manufacture, possession, distribution, or dispensing of drugs ("controlled substances" as defined in the Controlled Substances Act, 21 U.S.C. 812) and alcohol on university property or during university activities.

Violation of this policy is grounds for disciplinary action—up to and including immediate discharge for an employee and permanent dismissal of a student. Federal and state laws provide
additional penalties for such unlawful activities, including fines and imprisonment (21 U.S.C. 841 et seq.; T.C.A. 39-6-401 et seq.). Local ordinances also provide various penalties for drug- and alcohol-related offenses. The university is bound to take all appropriate actions against violators, which may include referral for legal prosecution or requiring the individual to participate satisfactorily in an approved drug use or alcohol abuse assistance or rehabilitation program.
AEROSPACE ENGINEERING

AE  500  Thesis (1-15)
  002 CRN 81540  Abedi
  003 CRN 81541  Kreth
  004 CRN 81542  Moeller
  005 CRN 81543  Schmisseur
  009 CRN 81547  Solies
  010 CRN 81548  Zhang

Grading Restriction: P/NP only.
Repeatability: May be repeated.
Credit Level Restriction: Graduate credit only.
Registration Restriction(s): Minimum student level – graduate.

AE  502  Registration for Use of Facilities (1-15)
SEC.  003 CRN 81555  Moeller

Required for the student not otherwise registered during any semester when student uses university facilities and/or faculty time before degree is completed.

Grading Restriction: Satisfactory/No Credit grading only.
Repeatability: May be repeated.
Credit Restriction: May not be used toward degree requirements.
Credit Level Restriction: Graduate credit only.
Registration Restriction(s): Minimum student level – graduate.

AE  590  Selected Engineering Problems (2-6)
SEC.  001 CRN 81556  Abedi
  002 CRN 81557  Kreth
  003 CRN 81558  Moeller
  004 CRN 81808  Schmisseur
  005 CRN 81809  Solies
  006 CRN 81810  Zhang

Repeatability: May be repeated. Maximum 6 hours.
Comment(s): Enrollment limited to students in problems option.
Registration Permission: Consent of advisor.

AE  600  Doctoral Research and Dissertation (3-15)
SEC.  002 CRN 81560  Abedi
  003 CRN 81561  Kreth
  004 CRN 81562  Moeller
  005 CRN 81563  Schmisseur
BIOMEDICAL ENGINEERING

BME  500  Thesis (1-15)
SEC.  010 CRN 82345  Johnson

Grading Restriction: P/NP only.
Repeatability: May be repeated.
Credit Level Restriction: Graduate credit only.
Registration Restriction(s): Minimum student level – graduate.

BME  502  Registration for Use of Facilities (1-15)
SEC.  002 CRN 83605  Johnson

Required for the student not otherwise registered during any semester when student uses university facilities and/or faculty time before degree is completed.

Grading Restriction: Satisfactory/No Credit grading only.
Repeatability: May be repeated.
Credit Restriction: May not be used toward degree requirements.
Credit Level Restriction: Graduate credit only.
Registration Restriction(s): Minimum student level – graduate.

BME  529  Applications of Linear Algebra in Engineering Systems (3)
SEC.  001 CRN 81586  (Video Recorded)
TIME:  Monday, Wednesday & Friday  9:30 – 10:45  E-111
PROF:  Dr. Monty Smith

Fundamental concepts of linear algebra to problems in engineering systems: steady state and dynamic systems. Geometric and physical interpretations of relevant concepts: least square problems, LU, QR, and SVD decompositions of system matrix, eigenvalue problems, and similarity transformations in solving difference and differential equations; numerical stability aspects of various algorithms; application of linear algebra concepts in control and optimization studies; introduction to linear programming. Computer projects.

Cross-listed: (Same as Chemical and Biomolecular Engineering 529; Civil Engineering 529; Electrical and Computer Engineering 529; Environmental Engineering 529; Industrial Engineering 529; Materials Science and Engineering 529; Mechanical Engineering 529; Nuclear Engineering 529).

Comment(s): Graduate standing or consent of instructor required.

BME  600  Doctoral Research and Dissertation (3-15)
SEC.  009  CRN  82346  Johnson

Grading Restriction: P/NP only.
Repeatability: May be repeated.
Registration Restriction(s): Minimum student level – graduate.

INDUSTRIAL ENGINEERING

IE  529  Applications of Linear Algebra in Engineering Systems (3)
SEC.  001  CRN 80097  UT Space Institute Campus (Video Recorded)
002  CRN 84727  UT Knoxville Campus
003  CRN 84886  Distance Education Campus
TIME: Monday, Wednesday & Friday 9:30 – 10:45 E-111
PROF: Dr. Monty Smith

Fundamental concepts of linear algebra to problems in engineering systems: steady state and dynamic systems. Geometric and physical interpretations of relevant concepts: least square problems, LU, QR, and SVD decompositions of system matrix, eigenvalue problems, and similarity transformations in solving difference and differential equations; numerical stability aspects of various algorithms; application of linear algebra concepts in control and optimization studies; introduction to linear programming. Computer projects.


Cross-listed: (Same as Chemical and Biomolecular Engineering 529; Biomedical Engineering 529; Civil Engineering 529; Electrical and Computer Engineering 529; Environmental Engineering 529; Materials Science and Engineering 529; Mechanical Engineering 529; Nuclear Engineering 529).

Comment(s): Graduate standing or consent of instructor required.

IE  536  Project Management (3)
SEC.  001  CRN 85108  UT Space Institute Campus
003  CRN 85410  UT Knoxville Campus
002  CRN 85409  Distance Education Campus
TIME: TBD Zoom
PROF: Dr. Lynn Reed

Development and management of engineering and technology projects. Project proposal preparation; resource and cost estimating; and project planning, organizing, and controlling: network diagrams and other techniques. Role of project manager: team building, conflict resolution, and contract negotiations. Discussion of typical problems and alternative solutions. Case studies and student projects.

Recommended Background: Graduate standing in Engineering or Business.

IE 600 Doctoral Research and Dissertation (3-15)
SEC. 010 CRN 82887 Simonton UT Space Institute Campus
011 CRN 82888 Simonton UT Distance Education Campus
012 CRN 83098 Yu UT Space Institute Campus
014 CRN 83286 Yu UT Distance Education Campus
013 CRN 83131 Shi UT Space Institute Campus
015 CRN 84977 Shi UT Distance Education Campus

Grading Restriction: P/NP only.
Repeatability: May be repeated.
Registration Restriction(s): Minimum student

MECHANICAL ENGINEERING

ME 500 Thesis (1-15)
SEC. 002 CRN 80164 Abedi
004 CRN 80165 Kreth
023 CRN 80190 Moeller
024 CRN 80191 Schmisseur
027 CRN 80194 Solies
028 CRN 80195 Zhang

Grading Restriction: P/NP only.
Repeatability: May be repeated.
Credit Level Restriction: Graduate credit only.
Registration Restriction(s): Minimum student level – graduate.

ME 502 Registration for Use of Facilities (1-15)
SEC. 002 CRN 80197 Moeller

Required for the student not otherwise registered during any semester when student uses university facilities and/or faculty time before degree is completed.

Grading Restriction: Satisfactory/No Credit grading only.
Repeatability: May be repeated.
Credit Restriction: May not be used toward degree requirements.
Credit Level Restriction: Graduate credit only.
Registration Restriction(s): Minimum student level – graduate.
Fundamental concepts of linear algebra to problems in engineering systems: steady state and dynamic systems. Geometric and physical interpretations of relevant concepts: least square problems, LU, QR, and SVD decompositions of system matrix, eigenvalue problems, and similarity transformations in solving difference and differential equations; numerical stability aspects of various algorithms; application of linear algebra concepts in control and optimization studies; introduction to linear programming. Computer projects.


Cross-listed: (Same as Chemical and Biomolecular Engineering 529; Biomedical Engineering 529; Civil Engineering 529, Electrical and Computer Engineering 529; Environmental Engineering 529; Industrial Engineering 529; Materials Science and Engineering 529; Nuclear Engineering 529).

Comment(s): Graduate standing or consent of instructor required.
PHYSICS

Phys   500  Thesis (1-15)
SEC.   001  CRN   81139  Parigger

Grading Restriction: P/NP only.
Repeatability: May be repeated.
Credit Level Restriction: Graduate credit only.
Registration Restriction(s): Minimum student level – graduate.

Phys   600  Doctoral Research and Dissertation (3-15)
SEC.   003  CRN   81153  Parigger

Grading Restriction: P/NP only.
Repeatability: May be repeated.
Registration Restriction(s): Minimum student level – graduate.