

RCET1372 – Introductory Calculus for Electronics

4 Cr Monday through Friday, 11 – 11:50 AM, T&T Room 333

Instructor: Tim Leishman

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Office: T&T 323

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Office Hours: M through F, 3:00 - 4:00 pm

Required Text: Technical Calculus, 5th Edition, Dale Ewen, ET. Al.

Course Description: *Correlations of algebraic, trigonometric and geographic topics as well as logarithms and their applications. Algebraic calculus concepts involving differentiation and integration and their applications to electronic circuits and waveform analysis. Supports RCET 0251. PREREQ: RCET 0154B or equivalent.*

Attendance

Department attendance policy will be enforced, refer to student handbook for more information.

Goals:

At the completion of this course, the students will be able to demonstrate: an ability to solve problems in mathematics through Calculus I, and physics 1100; and, the use of calculus methods, processes, and operations, as well as physical applications, particularly those necessary for the understanding of electrical phenomena and those used as tools for circuit analysis.

Course Policies:

Assigned homework may be submitted in class due at the beginning of class on the assigned day, or submitted through Moodle as assigned, and will not be accepted late without 24-hour prior approval from the instructor. Homework will be covered during the next class period. Students will be selected at random to demonstrate their understanding of the material and the process of solving the homework problems during class.

Tests will be announced. Missed Tests will not be made up.

Grading:

UNIT TESTS 50%

HOMEWORK/CLASS PARTICIPATION 30%

FINAL 20%

TOTAL 100%

The RCET program is committed to providing an accessible learning environment for students with documented disabilities. If there are aspects of the instruction or design of this course that result in disability-related barriers to your participation, please contact Disability Services to engage in a confidential conversation about the process for requesting accommodations. Students are encouraged to register with Disability Services as soon as they begin this course or in the timeliest manner possible as accommodations are not provided retroactively. More information can be found online at isu.edu/disabilityservices, or by contacting Disabilities Services at:

Disability Services - Main Office
Rendezvous Complex, Room 125
921 South 8th Avenue
Pocatello, ID 83209-8121
Stop 8121
Phone: 208-282-3599
Fax: 208-282-4617
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