

Course Number: EET 2300

Course Title: Electrical Machines

Course Description:

Fundamentals of electrical machines are covered in this course. Topics in power generation and transmission are discussed. Residential and Industry applications of motors are discussed. Installation and safety are also covered in this course.

Prerequisites: EET 1200.

Credit hours: 3

Learning Outcomes:

Upon completion of the course students will be able to:

1. Analyze electrical power generation and consumption
2. Discuss how power transmission and distribution is accomplished
3. Analyze and discuss applications of motors
4. Discuss safety issues related to installation and maintenance of motors
5. Explain maintenance requirements for electrical systems.



College of Professional Studies

EET 2300 Electrical Machines Online Syllabus Course Content

Instructor Information

Please see Professor Profile at the Blackboard instructional site.

Course Schedule

Please see Course Schedule in the Course Syllabus area of the Blackboard instructional site.

Online Course Policies

All of the online courses taken by students are required to follow the policies posted online at <http://online.indianatech.edu/tech-policies/policies/>. Please review the posted policies carefully. If you are unable to abide by the policies listed, please contact the Warrior Information Network (WIN) at 888.832.4742 and request to withdraw from this course.

Textbook:

There is no textbook for this course. Videos and other materials are located in Blackboard.

Grading Events and Grading Criteria:

Your final grade is based on the number of points earned on quizzes, in-class assignments, and power point presentation as follows:

Course Preparation Quiz	5 points
Assignments - 4 @ 20 points	80 points
Quizzes - 4@ 20 points	80 Points
Presentation	70 Points
<u>Total</u>	<u>235 Points</u>

Assignments

Course Preparation Quiz: The Course Preparation Quiz is designed to encourage you to review your online course, and will ensure that you understand important course policies and best practices which will help you to be successful. This quiz contains five (5) questions. This is a graded, untimed quiz. You may repeat this quiz as many times as you would like in order to earn a perfect score. (Please note that each attempt will contain a different set of questions).

Assignments: These generally consist of problems for you to work out. This will be like examples discussed in the videos as well as examples in the textbook. You will have two attempts on each assignment and the highest attempt will be saved. You will be able to save progress on an assignment and complete it at a later point. You are free to post questions to discuss board regarding an assignment. When posting questions to the discussion board make sure to screen capture your problem or give the exact information in the problem as each question has its numbers randomly generated.

Quizzes: There will be 5 quizzes for this course, and they will be based on the homework assignments. These quizzes will be timed, and you must complete them in one sitting. Make sure to set aside enough time for a quiz. The time allotted for each quiz will be given before you begin the quiz. You have only one attempt at each quiz. **DO NOT** discuss quizzes with other students.

PowerPoint Presentation: Each student must prepare a power point presentation on an application of a specific electrical machine. Online presentation will be made in the last week of the course. Each other student is expected to participate in discussion and asking questions

Grading Scale

The following grading scale will be used to assign a grade at the end of the course:

Percentage Achieved	Grade	Percentage Achieved	Grade	Percentage Achieved	Grade
93% or above	A	80% or above	B-	70% or above	C-
90% or above	A-	77% or above	C+	60% or above	D
87% or above	B+	73% or above	C	Below 60%	F
83% or above	B				

Late Assignments

All assignments and required online activities are due according to the deadline listed in the course schedule. Granting deadline extension is the course instructor's autonomy.

Incompletes

If you are unable to complete the requirements for this course due to extenuating circumstances, an Incomplete grade (I) may be granted if you meet the general guidelines stated below.

General Guidelines for submitting a course incomplete request:

- More than 50% of the course session has elapsed.
- The student has encountered an unexpected situation that is beyond his or her control.
- The student is
 - in good academic standing -- up-to-date on all of the course assignments and has at least an overall passing grade,
 - able to complete all of the remaining coursework within a session (5 weeks for a undergraduate course and 6 weeks for a graduate course) that immediately follows the session the student is currently enrolled, and

- able to provide support documentations to substantiate the need for extra time should a session is not enough to complete the course requirements.

If an Incomplete is granted, the instructor will set a deadline for all work to be completed. **The deadline cannot go past one (1) session.** All incomplete grades and deadlines are subject to approval by the designated University authority.

Course Related Communication

Online courses are conducted in an accelerated format. Timely communication is very important. When receiving emails from your classmates or instructor, please respond as soon as you can.

Students are REQUIRED to use their Indiana Tech email account for all course related communication. The most direct, and effective, way to email your course instructor and classmates, is by using the Send Email function within the Blackboard course site. When you use the Send Email function, you automatically receive a carbon copy of the email you sent. In the event when you need to substantiate your claim that you did email your classmates or instructor, you can show that carbon copy to the person(s) who requested it.

Please note that Blackboard only permits you to send email, it does not provide you with the check email function. All of the emails your classmates and instructor send to you will be delivered to your Indiana Tech email account. You are strongly encouraged to check your Indiana Tech email account regularly, preferably several times a week, to minimize the likelihood of miscommunication.

The University policy requires each online course instructor to respond to a student's email within 24 hours. Unless there is an extraneous situation that prevents the instructor from following this rule, you can expect to hear from the instructor within 24 hours. If you don't receive a reply within 24 hours, please do not hesitate to follow up with another email or forward the carbon copy of the email you sent to OnlineSupport@IndianaTech.edu with a note "Please help. It's been 24 hours and I have not heard from my instructor" and the University support staff will act on your behalf to contact your course instructor.