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OFFICE HOURS:	Tuesdays 3pm-4pm and Thursdays 9:30am-1:30pm or by appointment.		
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WELCOME TO:

Course Title: Nerve Conduction Studies

Course Number: ENDT 2215

Credit Hours: 2

Total Contact Hours: 80

Term and Year: Summer 2018

Class Days & Times: Tuesdays 1pm to 2:30pm

Classroom Location: S245

A. COMMUNICATING WITH YOUR INSTRUCTOR

Preferred communication for questions or to set up an appointment via email. Typical response time is within 24 hours Monday-Thursday and by the next business day on Friday-Sunday.

B. COURSE DESCRIPTION

Electrodiagnostics, principles of nerve conduction studies, and methods designed to assess neuromuscular transmission. Includes conventional and single-fiber electromyography and methods designed for reaching less accessible regions of the nervous system.

C. STUDENT LEARNING OUTCOMES

Describe the differences between an axonal versus a demyelinating peripheral neuropathy with respect to pathophysiology, clinical presentation, and different patterns of response on EMG and nerve conduction studies; list the common causes of peripheral neuropathy and the appropriate treatments, including pain medication; and identifying the basic principles involved in the application of electromyography (muscle activity, nerve conduction studies).

By the end of this course the student will be able to:

- understand the anatomy and physiology of selected muscles and nerves;
- have knowledge of neuromuscular disorders;
- understand the principles of stimulation and accurate placement of recording electrodes; and
- understand the principles of measuring waveforms and distances used in routine nerve conduction studies.

D. PRE-REQUISITE COURSES: ENDT 1345, ENDT 1350 CO-REQUISITES: ENDT 2463

E. REQUIRED TEXTBOOK AND SUPPLEMENTAL READINGS

No Required Textbook; Suggested is below:

Practical Guide for Clinical Neurophysiologic Testing: EP, LTM, IOM, PSG, and NCS by T. Yamada and E. Meng (2010)

ISBN-13: 978-1-60913-714-4

ISBN-10: 1-60913-714-0

For more information about the textbooks, including details about how to order your book online and have it delivered to you, visit the ACC College Store at www.alvincstore.com.

F. COURSE OUTLINE

- Unit 1-Nerve Conduction Basics
- Unit 2- Basic Electrical Theory and Instrumentation
- Exam 1- Unit 1 and 2
- Unit 3-Peripheral Nerve and Muscle Anatomy and Physiology
- Unit 4- Specific Nerve Recording and Special Techniques
- Exam 2- Unit 3 and 4
- Unit 5- Diseases of the Peripheral Nervous System
- Final Exam- Unit 1, 2, 3, 4, and 5

TENTATIVE ENDT 2425 END Tech II SUMMER SCHEDULE

Hybrid Course By Week	Lab Tuesdays 9am-12pm <i>Review of EEG Concepts, Record Review, and Unit Exams</i>	Lecture (Online) <i>Each "Week" begins at Lab. Then students will have an online assignment due the following Monday by 11:59pm.</i>
Week 1	Tues 6/5/18 Intro to course, Concept Review	Nerve Conduction Basics Assignment: Due:
Week 2	Tues 6/12/18 Review Content and Hands-On Practice	Nerve Conduction Basics Assignment: Due:
Week 3	Tues 6/19/18 Review Content and Hands-On Practice	Basic Electrical Theory and Instrumentation Assignment: Due:
Week 4	Tues 6/26/18 Review Content and Hands-On Practice	Basic Electrical Theory and Instrumentation Assignment: Due:
Week 5	Tues 7/3/18 Exam 1	Peripheral Nerve and Muscle Anatomy and Physiology Assignment: Due:
Week 6	Tues 7/10/18 Review Content and Hands-On Practice	Peripheral Nerve and Muscle Anatomy and Physiology Assignment: Due:
Week 7	Tues 7/17/18 Review Content and Hands-On Practice	Specific Nerve Recording and Special Techniques Assignment: Due:
Week 8	Tues 7/24/18 Review Content and Hands-On Practice	Specific Nerve Recording and Special Techniques Assignment: Due:
Week 9	Tues 7/31/18 Exam 2	Diseases of the Peripheral Nervous System Assignment: Due:
Week 10	Tues 8/7/18 Practicum Exam	Review for Final Exam Assignment: Due:
Week 11	Tues 8/14/18 Final Exam	Final Exam

G. DESCRIPTION OF ASSIGNMENTS- *Schedule of due dates, rubrics, and clear explanation of expectations also available on "Blackboard"*

ASSIGNMENT	DESCRIPTION
Assignments/Quizzes (40%)	-Assignments will be online and in lab -Students must expect to complete at least one online assignment every week -Each "Week" begins in Lab - Online assignments will be turned in the following Monday by 11:59pm -See Schedule for Online Due Dates - 10 point deduction each day an assignment is late. -Any in-lab assignment make-ups will be at the discretion of the instructor. -Make-up Quizzes will be allowed at the discretion of the instructor. -Lowest Grade will be dropped at the end of the semester
Exams (45%)	Unit Exams and Practicum Exam will be administered during scheduled classroom times. These exams will be over material covered in each unit and may contain multiple choice, short answer, matching, essay questions and/or practical.
Final Exam (15%)	Cumulative, Multiple Choice Format

H. POLICIES ABOUT COURSEWORK AND DEADLINES

- 1. Online and Lab Assignments-** any Online Assignment not turned in by the due date and time will receive a late deduction of 10 points per day. Participation in lab is mandatory and essential for success in meeting the NDT Program goal of performing as an entry-level Neurodiagnostic Technologist. Therefore, accepting lab assignments past the due date will be at the discretion of the instructor. The lowest assignment grade will be dropped at the end of the semester.
- 2. Unit Exams-** Students may miss one examination which must be made up on the date of return prior to the scheduled class or at a time agreed upon by the instructor. For each additional missed exam, no makeup will be given.
- 3. Final Exam:** The final exam will only be given during Finals week. No makeup will be allowed for missed Final Exams. An "Incomplete" for missing a final exam will be given **ONLY** for extreme, inevitable circumstances. An "inevitable" circumstance will be defined at the discretion of the instructor and documentation must be provided.
- 4. Incomplete.** No Incompletes or "I" grades will be given except for extreme circumstances. If an "I" grade is assigned and the course work is not completed by the pre-arranged time limit, this grade will convert to an "F".

I. GRADING SUMMARY

	% of final grade
<i>Assignments</i>	40%
<i>Unit Exams</i>	45%
<i>Final Exam</i>	15%
Total	100%

Grading Scale	Grade
90-100	A
80-89	B
70-79	C
60-69	D
Below 60	F

J. WITHDRAWING FROM CLASS/COLLEGE

It is recommended that the student talk to the instructor before withdrawing. Current course withdrawal information can be found in the printed version of the ACC Schedule for this semester or online at [ACC Course Withdrawal Instructions](#). Students who file withdrawal requests by the published deadline and have not exceeded the withdrawal maximum will receive a grade of W.

Six Drop Limit

The Texas Legislature passed a ruling that limits the number of classes a student can drop during their years as an undergraduate student to six. This policy applies to any student who was a first time college freshmen fall, 2007, or later, who attends a Texas public institution of higher education. Courses dropped while attending a private or out of state college do not count toward the six drop limit. For further information, refer to the [ACC Catalog](#) or contact Student Services.

K. GRADE APPEAL PROCESS

Students have one year from the date of the grade assignment to challenge a grade. Refer to the grade appeal process as published in the ACC Catalog at <http://www.alvincollege.edu/Programs-Degrees/Course-Catalogs>.

L. CLASS ATTENDANCE POLICY

ENDT 2215 Policy- Attendance is mandatory. **After the second missed class, five (5) points will be deducted from the final grade for each additional absence.**

Alvin Community College students are required to attend classes. If an absence is unavoidable, the student is responsible for completing all work missed during the absence. Instructors will not withdraw students for non-attendance, except in developmental courses. Absences in excess of two weeks are to be reported to the Office of Advising Services, along with appropriate recommendations. Departments and faculty may have other attendance policies for their course.

M. CODE OF ACADEMIC INTEGRITY AND HONESTY

Alvin Community College students are members of an institution dedicated to the pursuit of knowledge through a formalized program of instruction and learning. At the heart of this endeavor, lie the core values of academic integrity which include honesty, truth, and freedom from lies and fraud. Because personal integrity is important in all aspects of life, students at Alvin Community College are expected to conduct themselves with honesty and integrity both in and out of the classroom. Incidents of academic dishonesty will not be tolerated and students guilty of such conduct are subject to severe disciplinary measures.

N. CLASSROOM PROTOCOL

It is the right of each student to participate in his or her learning, and it is the responsibility of each student to not interfere with the learning of other students. It is the expectation of the college that each student assumes the responsibility to follow college policies and procedures governing classroom conduct on campus and online. This information is published in the ACC Student Handbook on page 42.

O. EVALUATION OF INSTRUCTION

Alvin Community College is dedicated to student success. As part of its ongoing improvement efforts, students will provide input for each course prior to the end of the semester enrolled. Evaluations will be completed in either online or paper format as directed by the Office of Institutional Effectiveness & Research.

P. ACC ACADEMIC SUCCESS AND SUPPORT SERVICES

The [ACC Tutoring/Learning Lab](#), located upstairs in building A, provides students with a variety of services including tutoring (math, writing, and other disciplines); computers and printers; and tables/carrels. Call 281-756-3566 or visit the **ACC Tutoring/Learning Lab Website** for more information.

The [ACC Library](#) is an excellent source for research and writing help. Quiet rooms are available for studying and doing class work. For more information, visit the **ACC Library Website** or call 281-756-3559.

[ACC Counseling Services](#) assist students with issues that may negatively impact academic success. To contact a counselor, call the office of Advising Services at 281-756-353.

Americans with Disabilities Act

ACC complies with ADA and 504 Federal guidelines by affording equal access to individuals who are seeking an education. Students who have a disability and would like classroom accommodations must register first with the Office of Disability Services, A 136, or call 281-756-3533. Instructors are not able to provide accommodations until the proper process has been followed.

Assessment and Care Team (ACT)

The Assessment and Care Team is committed to improving community safety through a proactive, collaborative, coordinated, objective, and thoughtful approach to the prevention, identification, assessment, intervention and management of situations that pose a threat to the safety and well-being of the campus community. To educate and empower all members of the College community, resources and procedures are in place to prevent, deter, and respond to concerns regarding acts of violence. Alvin Community College offers assistance to departments and individuals in detecting indicators for concern and resources to protect themselves and their environments.

The Alvin Community College ACT accepts reports regarding any individual or incident at any time through an online referral form on the Assessment and Care Team page at <http://www.alvincollege.edu/ACT>, direct email to: ACareTeam@alvincollege.edu, or by contacting the Alvin Community College Police Department at 281-756-3700 or 832-250-3365 (after hours).

MY Blackboard support can be obtained by completing the **Online Support Form**.

WEBACCESS, Passwords or ACC Computer Lab Information: If you experience problems with WebACCess, please call the Help Desk at 281-756-3544 or email helpdesk@alvincollege.edu.

Q. MENTAL HEALTH COUNSELING AND SUICIDE PREVENTION SERVICES

As a student, you may experience a range of challenges that can interfere with learning, such as strained relationships, increased anxiety, substance use, feeling down, difficulty concentrating, and/or lack of motivation. These mental health concerns or stressful events may diminish your academic performance and/or reduce your ability to participate in daily activities. Advising services employs two Licensed Professional Counselors who can assist students with issues that negatively impact academic success. Consultation and referrals are confidential. The Counseling Referral form is located at: <http://www.alvincollege.edu/CounselingServices.aspx>

Emergencies:

If you or someone you know at ACC feels overwhelmed, hopeless, depressed, and/or is thinking about dying by suicide, supportive services are available by requests at the Enrollment Services Center or by calling 281-756-3531, ask for a Counselor. You may also call the National Suicide Prevention Hotline 1-800-273-8255. This is a 24 hour, toll free, confidential suicide prevention hotline available to anyone in suicidal crises or emotional distress. If, however, you or someone you know is in an immediate crisis, go to the nearest Emergency Room, or call 911.

R. DISCLAIMER

(The instructor reserves the right to modify this syllabus as needed and will notify the students of any changes using email or Blackboard.)