

<b>Program Director:</b> <b>OFFICE:</b>	Kelly Truitt, BA, REEGT, RNCST S250	<b>E-MAIL:</b> <b>PHONE:</b>	<a href="mailto:ktruitt@alvincollege.edu">ktruitt@alvincollege.edu</a> 281-756-5644
<b>OFFICE HOURS:</b>	Tuesdays 3pm-4pm and Thursdays 9:30am-1:30pm or by appointment.		
<b>WEBSITE:</b>	<a href="http://www.alvincollege.edu">www.alvincollege.edu</a>		

**WELCOME TO:**

**Course Title: Electroneurodiagnostic Tech II**

**Course Number: ENDT 2320**

**Credit Hours: 4**

**Lecture Hours: Online**

**Lab Hours: 3**

**Total Contact Hours: 80**

**Term and Year: Summer 2018**

**Class Days & Times:** Lab Tuesdays 9am-12pm; Lecture Online

**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**

Electroneurodiagnostics and normal and abnormal functional neuroanatomy and physiology. Electroneurodiagnostics Tech II is designed to further explore and introduce specific neurological disease processes and integrate electroencephalographic patterns for these processes. Identifies abnormal functional neuroanatomy and physiologic conditions and electroencephalographic correlates.

**C. STUDENT LEARNING OUTCOMES**

Demonstrate the ability to take a patient's medical history; outline various montages used to record the EEG; discuss the differential amplifier and common mode rejection; and describe safety measures that pertain to clinical EEG procedures.

**D. PRE-REQUISITE COURSES: ENDT 1463      CO-REQUISITES: ENDT 2463**

**E. REQUIRED TEXTBOOK AND SUPPLEMENTAL READINGS**

1. Practical Guide for clinical Neurophysiologic testing, Thoru Yamada and Elizabeth Meng, 2010.
2. Practical Approach to Electroencephalography, Mark Libenson, 2010.

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](http://www.alvincstore.com).

**F. COURSE OUTLINE**

Part 1- An overview of the abnormal EEG (typical patterns, concept of focal v. diffuse) and EEG Patterns in Stupor and Coma

Yamada- Ch 8 and Libenson Ch 9 and 12

EEG Patterns that reflect diffuse cerebral dysfunction versus focal (Yamad Ch11p228) and p.249)

Part 2- EEG in Specific Disease States

A. Paroxysmal Disorders

a. Syncope, Migraine, Transient Global Amnesia

- B. Cerebrovascular Diseases
  - a. Stroke, Carotid Endarterectomy, Intracranial Hemorrhage, Hypoxic-Ischemic Encephalopathy
- C. Mass Lesions
  - a. Brain Tumors, Brain Abscesses, Tuberculous Sclerosis, Pseudo Tumor Cerebri
- D. Infections and Postinfectious Syndromes
  - a. Encephalitis, Herpes Simplex Encephalitis, SSPE, Sydenham's Chorea
- E. Degenerative Disorders
  - a. Dementia, Huntington's Disease, CJD, Multiple Sclerosis, Picks Disease, Multi Infarct Dementia
- F. Metabolic/Toxic Disorders
  - a. Renal Insufficiency, Thyroid Disorders, Electrolyte Abnormality, Hypoglycemia, Wilson's Disease, Drug Toxicity, the influence of Common Drugs on the EEG and other Metabolic Encephalopathies
- G. Head Trauma

**2018 Exam Schedule**

Exam 1: Overview of the Abnormal EEG and EEG Patterns in Stupor and Coma

Exam 2: Paroxysmal Disorders, Cerebrovascular Diseases, and Mass Lesions

Exam 3: Infectious and Post Infectious Syndromes and Degenerative Disorders

Exam 4: Metabolic/Toxic Disorders and Head Trauma

**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	Overview of Abnormal EEG Assignment: Due:
Week 2	Tues 6/12/18 Record Review, Concept Review	EEG Patterns in Stupor and Coma Assignment: Due:
Week 3	Tues 6/19/18 <b>Exam 1</b>	Paroxysmal Disorders Assignment: Due:
Week 4	Tues 6/26/18 Record Review, Concept Review	Cerebrovascular Diseases Assignment: Due:
Week 5	Tues 7/3/18 Record Review, Concept Review	Mass Lesions Assignment: Due:
Week 6	Tues 7/10/18 <b>Exam 2</b>	Infectious and Post Infectious Syndromes Assignment: Due:
Week 7	Tues 7/17/18 Record Review, Concept Review	Degenerative Disorders Assignment: Due:
Week 8	Tues 7/24/18 <b>Exam 3</b>	Metabolic/Toxic Disorders Assignment: Due:
Week 9	Tues 7/31/18 Record Review, Concept Review	Metabolic/Toxic Disorders and Head Trauma Assignment: Due:

Week 10	Tues 8/7/18 Record Review, Concept Review	Head Trauma Assignment: Due:
Week 11	Tues 8/14/18 <b>Exam 4</b>	Final Exam- Exam 4 Topics

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

ASSIGNMENT	DESCRIPTION
Assignments (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. -Lowest Grade will be dropped at the end of the semester
Exams (60%)	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. **Exam 4** will be given during Finals week and therefore no makeup will be allowed for missed exam during Finals Exam Week. 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.
- 3. 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>	60%
<b>Total</b>	<b>100%</b>

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 2425 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](mailto: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](mailto: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.)