ACC ALVIN COMMUNITY COLLEGE

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INSTRUCTOR:	Stacy Pedigo, R.EEG/EP T., CLTM	**E-MAIL:**	spedigo@alvincollege.edu
OFFICE:	S250	**PHONE:**	713-775-9932
OFFICE HOURS:	By Appointment		
WEBSITE:	www.alvincollege.edu		

WELCOME TO: Electroneurodiagnostics Tech I.

Course Title: Electroneurodiagnostics Tech I
Course Number: ENDT 2320
Credit Hours: 5
Lecture Hours: 3
Lab Hours: 2
Total Contact Hours: 34

Term and Year: Spring 2017
Class Days & Times: Hybrid, Lecture online, Lab Wednesday 6:00-8:00 pm
Classroom Location: Lab- Neurodiagnostic classroom, S250

A. COMMUNICATING WITH YOUR INSTRUCTOR

The preferred method of communicating with your instructor is through the following email: sdpedigo@alvincollege.edu . You may call me at 832-826-2140. Please leave your first and last name, a phone number or an e-mail address where I can contact you and explain what you need to discuss with me. I will normally respond within 24 hours Monday-Thursday and by the next business day on Friday-Sunday.

B. COURSE DESCRIPTION

This class is designed to teach normal and abnormal pattern recognition both awake and asleep for each age range and level of consciousness, seizure manifestations, classifications and EEG correlates. (ACNS) minimum technical standards for pediatric encephalography and an introduction to polysomnography will also be covered.

COURSE OUTLINE

Unit 1: Review of 1345 and 1350 material. Introduction to Neonatal patterns
Unit 2: Infant to Adolescent patterns. Review artifacts, normal and benign variant EEG patterns
Unit 3: Assessment of abnormal EEG patterns and introduction to seizures and epilepsy
Unit 4: Non epileptic events and introduction to Polysomnography

C. STUDENT LEARNING OUTCOMES

Upon completion of this course, the student will be able to:

UNIT ONE OBJECTIVES

1. Define age-specific terms related to EEG
2. List the states unique to neonates
3. List the EEG landmarks unique to neonates
4. State the normal variations of EEG patterns based on corresponding age groups
5. State the procedures used to record neonatal EEGs.
6. State the procedures used to record pediatric EEGs.
7. State the basic modifications to the I / 10-20 system of electrode placement for neonatal patients
8. State the physiological monitoring parameters in recording neonatal /pediatric EEGs

UNIT TWO OBJECTIVES

1. State the normal variations of EEG patterns based on corresponding age groups
2. Identify the features of basic wave patterns
3. Identify features of basic sleep patterns.
4. Define normal variant.
5. State the normal variants that resemble abnormal patterns.
6. Recognize the features of normal variants in the EEG.
7. Recognize artifacts

UNIT THREE OBJECTIVES

1. Define the different types of epilepsies and seizure classification
2. Review the diagnosis and treatments for the different types of seizures
3. Review the terminology used to describe seizures
4. Summarize the clinical manifestations and features of different seizures and the corresponding brain anatomy
5. Review the etiology of different types of seizures
6. Identify the EEG patterns and waveforms associated with seizures

UNIT FOUR OBJECTIVES

1. Identify the various types of non-epileptic events
2. Define polysomnography (PSG)
2. Identify the types PSG montages and protocols.
3. Recognize sleep stages
4. Understand the montages used in PSG
5. State the procedure for performing the polysomnogram
6. Understand common sleep disorders and treatment options
7. Review and identify the necessity of the multiple sleep latency test (MLST) and the maintenance of wakefulness (MWT) indicator

D. PRE-REQUISITE COURSES:
ENDT 1345, ENDT 1350
CO-REQUISITES:
ENDT 1463

E. REQUIRED TEXTBOOK AND SUPPLEMENTAL READINGS
Practical Approach to Electroencephalograpy, Mark Libenson, 2010
OPTIONAL:
Practical Guide for clinical Neurophysiologic Testing, Thoru Yamada and Elizabeth Meng, 2009.

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.alvinccstore.com.

F. COURSE OUTLINE

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G. EXAMS AND MAJOR ASSIGNMENTS
Four unit exams will be given during this course. All exams will be proctored either in the classroom or the computer lab. Each exam will consist of multiple choice, true /false, matching, short answer and fill in the blank questions. The final exam is comprehensive.

H. POLICIES ABOUT COURSEWORK AND DEADLINES

Any missed exam will be made up at a time decided upon by the instructor IF a medical excuse or proof of a family emergency can be shown. In the case of a family emergency advanced notice must be given prior (preferably via e-mail) to any ACC END Program Instructor. In the event of an unexcused missed exam or presentation no make-up will be given. There will be no exceptions to this rule. Any late assignments turned in will have 10 points additional day it is late. An assignment is considered late if it is submitted one minute late from due date and time listed on Blackboard.

I. GRADING SUMMARY

	% of final grade
Quizzes/Assignments	20%
Laboratory Participation	20%
Unit Exams	40%
Comprehensive Final Exam	20%
Total	*100%*

Percent	Grade
100-90%	A
89-80%	B
79-70%	C
69-60%	D
< 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

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.)