

# APR Instructional Allied Health 2022-23 Latest Version

Annual program review for Allied Health, reviewing the 2022-23 Academic Year

## APR Instructional

Annual Course Student Learning Outcome Data : Version by **Deeds, Brad** on **01/31/2024 18:54**

CSLOs	Expected/Benchmark Performance	Actual Performance (Aggregate of All Terms)
HEA106 - Emergency Medical Responder		
1. Describe the history and origins of the EMS system. (Active from Summer 2018)	70.00%	100.00%
2. Describe the legal and ethical responsibilities of the Emergency Medical Responder. (Active from Summer 2018)	70.00%	100.00%
3. Describe the roles and responsibilities of the Emergency Medical Responder and provide appropriate emergency care. (Active from Summer 2018)	70.00%	100.00%
4. Meet certification requirements for cardiopulmonary resuscitation (CPR) and automated external defibrillation (AED) training. (Active from Summer 2018)	70.00%	77.78%
HEA108 - Emergency Medical Responder (Refresher)		
1. Describe the history and origins of the EMS system. (Active from Fall 2015)	70.00%	0.00%
2. Describe the legal and ethical responsibilities of the Emergency Medical Responder. (Active from Fall 2015)	70.00%	0.00%
3. Describe the roles and responsibilities of the Emergency Medical Responder and provide appropriate emergency care. (Active from Fall 2015)	70.00%	0.00%
4. Demonstrate contemporary techniques in the treatment and care of injuries and trauma. (Active from Fall 2015)	70.00%	0.00%
5. Meet re-certification requirements for cardiopulmonary resuscitation (CPR) and automated external defibrillation (AED) training. (Active from Fall 2015)	70.00%	0.00%
HEA149 - Introduction to Medical Ethics and Law		
Describe and apply a variety of major ethical theories to real-life health care situations. (Active from Fall 2015)	70.00%	0.00%
Describe the requirements of confidentiality, disclosure, and informed consent in primary health care relationships. (Active from Fall 2015)	70.00%	0.00%
Analyze multicultural perspectives that may affect ethical decisions in health care. (Active from Fall 2015)	70.00%	0.00%
HEA119A - Introduction to Physical Therapy Aide		
1. Describe the role and scope of the Physical Therapy Aide, including related privacy issues. (Active from Fall 2015)	70.00%	0.00%
2. Demonstrate professional communication and personal presentation skills. (Active from Fall 2015)	70.00%	0.00%
3. Identify basic anatomical structures and describe or demonstrate basic human movement principles. (Active from Fall 2015)	70.00%	0.00%
HEA140B - Emergency Medical Technician (Santa Clara County EMS Approved)		
1. Demonstrate appropriate critical thinking and skills in the assessment of illness and/or injury of a person involved in an emergency situation. (Active from Summer 2016)	70.00%	95.65%
2. Apply emergency treatment principles and techniques. (Active from Summer 2016)	70.00%	95.65%
3. Demonstrate the ability to render quality patient care to OSHA and California Code of Regulation standards. (Active from Summer 2016)	70.00%	95.65%
HEA140C - Emergency Medical Technician (EMT)		

CSLOs	Expected/Benchmark Performance	Actual Performance (Aggregate of All Terms)
1. Demonstrate appropriate critical thinking and skills in the assessment of illness and/or injury of a person involved in an emergency situation. (Active from Fall 2019)	70.00%	100.00%
2. Apply emergency treatment principles and techniques. (Active from Fall 2019)	70.00%	100.00%
3. Demonstrate the ability to render quality patient care to OSHA and California Code of Regulation standards. (Active from Fall 2019)	70.00%	100.00%
HEA142A - EMT Refresher (24 hours)		
1. Properly assess an ill or injured victim. (Active from Winter 2020)	70.00%	100.00%
2. Apply safe and effective emergency treatment. (Active from Winter 2020)	70.00%	100.00%
3. Demonstrate proper AED techniques. (Active from Winter 2020)	70.00%	100.00%
HEA147A - Dental Assisting and Radiology, Part 1		
1. Demonstrate correct use of basic dental terminology. (Active from Summer 2019)	70.00%	100.00%
2. Describe dental anatomy and common landmarks. (Active from Summer 2019)	70.00%	100.00%
3. Demonstrate application of OSHA regulations for dental office settings including the maintenance and sterilization of instruments and related safety procedures. (Active from Summer 2019)	70.00%	100.00%
4. Demonstrate the ability to work as an entry-level back office chairside dental assistant. (Active from Summer 2019)	70.00%	100.00%
HEA147B - Dental Radiology, Part 2		
1. Demonstrate correct use of basic dental terminology. (Active from Summer 2019)	70.00%	100.00%
2. Describe dental anatomy and common landmarks. (Active from Summer 2019)	70.00%	100.00%
3. Demonstrate application of OSHA regulations for dental office settings including maintenance and sterilization of instruments and related safety procedures. (Active from Summer 2019)	70.00%	100.00%
4. Demonstrate the ability to take manikin full mouth (FMX) and bitewing radiographs (BW). (Active from Summer 2019)	70.00%	100.00%
HEA147C - Dental Radiology, Part 3 (Externship)		
1. Demonstrate correct use of advanced dental terminology and identification of dental anatomy and landmarks. (Active from Summer 2019)	70.00%	75.00%
2. Describe OSHA regulations applicable to the dental office, including the maintenance and sterilization of instruments, equipment, and related safety procedures. (Active from Summer 2019)	70.00%	75.00%
3. Demonstrate competence in advanced dental radiation and safety skills including film exposure, processing, mounting, and evaluation. (Active from Summer 2019)	70.00%	75.00%
4. Demonstrate competence in advanced back office chairside assisting. (Active from Summer 2019)	70.00%	50.00%
HEA191AE - Special Topics: Outdoor Emergency Care Update		
1. Demonstrate safe and effective lifts and loads during outdoor emergency rescue scenarios. (Active from Fall 2019)	70.00%	0.00%
2. Demonstrate effective cardiopulmonary resuscitation/automated external defibrillator (CPR/AED) techniques. (Active from Fall 2019)	70.00%	0.00%

CSLOs	Expected/Benchmark Performance	Actual Performance (Aggregate of All Terms)
3. Demonstrate the ability to accurately perform patient assessment in outdoor emergency situations. (Active from Fall 2019)	70.00%	0.00%
HEA191AF - ST: Coronal Polishing		
1. Demonstrate standard Occupational Safety and Health Administration (OSHA) infection control protocols and techniques throughout the coronal polishing procedure. (Active from Fall 2021)	70.00%	0.00%
2. Demonstrate standard polishing precautions, techniques, patient care, and education. (Active from Fall 2021)	70.00%	0.00%
3. Demonstrate the ability to communicate legal and ethical requirements throughout the coronal polishing procedure. (Active from Fall 2021)	70.00%	0.00%
4. Accurately describe objectives/goals and perform standard of performance for each procedure related to the application of coronal polishing while following infection control protocols. (Active from Fall 2021)	70.00%	0.00%
5. Describe dental science, legal requirements, basics, materials and criteria, preparation factors, and applications. (Active from Fall 2021)	70.00%	0.00%
HEA191AG - ST: Pit and Fissure Sealants		
1. Demonstrate standard Occupational Safety and Health Administration (OSHA) infection control protocols, precautions, techniques, patient and education throughout the pit and fissure sealant procedure. (Active from Winter 2022)	70.00%	0.00%
2. Demonstrate correct use of sealant materials, sealant criteria, preparation factors, acid etching or etchant/bond combination, and sealant application, typodonts, simulated model and/or mounted extracted teeth. (Active from Winter 2022)	70.00%	0.00%
3. Describe dental science, legal requirements, sealant basics, materials and criteria, preparation factors, and sealant applications. (Active from Winter 2022)	70.00%	0.00%
4. Accurately describe pit and fissure applications, including: oral anatomy, histology, physiology, oral pathology, normal/abnormal anatomical and physiological tooth descriptions, amorphology, infection control protocol, and clinical re-call re-evaluation protocols, and evaluation and examination. (Active from Winter 2022)	70.00%	0.00%
MOA235 - Introduction to Administrative Medical Assisting		
1. Demonstrate the skills to properly maintain medical records and a medical front office. (Active from Fall 2015)	70.00%	88.89%
2. Demonstrate the proper skills used in patient contact. (Active from Fall 2015)	70.00%	88.89%
3. Describe patient confidentiality and legal issues as they pertain to the medical office. (Active from Fall 2015)	70.00%	88.89%
MOA236 - Basic Principles of Medical Coding		
Correctly code diseases and disease manifestation by abstracting information from a patient's health record. (Active from Fall 2015)	70.00%	0.00%
Make proper code assignments for physician reimbursement. (Active from Fall 2015)	70.00%	0.00%
Demonstrate knowledge of coding abilities which will decrease payment denials by third party payers. (Active from Fall 2015)	70.00%	0.00%
MOA237 - Medical Insurance Billing		
1. Properly prepare insurance forms for physician reimbursement. (Active from Fall 2015)	70.00%	100.00%

CSLOs	Expected/Benchmark Performance	Actual Performance (Aggregate of All Terms)
2. Apply knowledge of coding principles to decrease denial of payment. (Active from Fall 2015)	70.00%	100.00%
3. Define common insurance, medical, and diagnostic terms. (Active from Fall 2015)	70.00%	100.00%
MOA238 - Medical Terminology, Part 1		
Analyze medical words by dividing them into component parts. (Active from Fall 2015)	70.00%	0.00%
Relate medical terms to the structure and function of the human body. (Active from Fall 2015)	70.00%	0.00%
Correctly spell and pronounce medical terminology associated with integumentary, skeletal, muscular, digestive, cardiovascular, blood and lymphatic, and respiratory systems. (Active from Fall 2015)	70.00%	0.00%
MOA240 - Medical Terminology, Part 2		
1. Assemble the three parts of medical terms and use them to build medical terms appropriately. (Active from Summer 2018)	70.00%	0.00%
2. Differentiate and correctly spell and pronounce medical terms related to the urinary, endocrine, nervous, sensory, and reproductive systems. (Active from Summer 2018)	70.00%	0.00%
3. Apply medical terms in practical applications, including reading medical records and lab reports. (Active from Summer 2018)	70.00%	0.00%
MOA241 - Medical Terminology		
1. Define basic medical terminology relevant to human anatomy, physiology, diseases, medical procedures and treatments, including medical abbreviations, for all body systems. (Active from Summer 2021)	70.00%	100.00%
2. Break down medical terms and identify word parts. (Active from Summer 2021)	70.00%	100.00%
3. Build medical terms using appropriate word parts. (Active from Summer 2021)	70.00%	100.00%
MOA249 - Medical Ethics and Law		
1. Identify aspects of State and Federal laws that apply to healthcare practice. (Active from Summer 2021)	70.00%	100.00%
2. State aspects of medical ethics relating to health care. (Active from Summer 2021)	70.00%	100.00%
3. Apply ethical principles to ethical dilemmas. (Active from Summer 2021)	70.00%	100.00%
MOA131B - Special Topics: Introduction to Medical Ethics and Law		
1. Describe and apply a variety of major ethical theories to real-life health care situations. (Active from Spring 2020)	70.00%	0.00%
2. Describe the requirements of confidentiality, disclosure, and informed consent in primary health care relationships. (Active from Spring 2020)	70.00%	0.00%
3. Analyze multicultural perspectives that may affect ethical decisions in health care. (Active from Spring 2020)	70.00%	0.00%
MOA236A - Principles of ICD Medical Coding		
1. Accurately code diagnoses utilizing the International Classification of Disease Manual (ICD 10-CM). (Active from Summer 2021)	70.00%	77.78%
2. Accurately code to the highest degree of specificity. (Active from Summer 2021)	70.00%	66.67%
3. Accurately apply and utilize coding conventions. (Active from Summer 2021)	70.00%	66.67%
MOA236B - Principles of CPT Medical Coding		
1. Accurately code procedures using Current Procedural Terminology (CPT) coding book. (Active from Summer 2021)	70.00%	85.71%

CSLOs	Expected/Benchmark Performance	Actual Performance (Aggregate of All Terms)
2. Demonstrate medical terminology comprehension and application. (Active from Summer 2021)	70.00%	85.71%
3. Apply anatomical principles as they relate to the major body systems. (Active from Summer 2021)	70.00%	85.71%
MOA236C - Electronic Health/Medical Records		
1. Analyze the major components of an Electronic Health/Medical Record (EHR/EMR) and its related purpose for the creation and the maintenance of the patient health care record. (Active from Summer 2021)	70.00%	100.00%
2. Apply the necessary skills for the application of Electronic Health/Medical Records (EHR/EMR) within the work environment. (Active from Summer 2021)	70.00%	100.00%
3. Utilize an interactive educational Electronic Health/Medical Record (EHR/EMR) software. (Active from Summer 2021)	70.00%	100.00%

## APR Questions Tableau : Version by Deeds, Brad on 02/01/2024 17:48

Using the Data Provided (<https://10az.online.tableau.com/#/site/lccc/views/ProgramReview/LTCCProgramReviewSummary?:iid=1>) please provide the number of students (headcount) that are served by the discipline.

Dental Assisting: up to 27 annually, Medical Office Assistant: 121, Emergency Medical Services (Emergency Medical Technician and Emergency Medical Responder): 121 = 269 total

Using the Data Provided (<https://10az.online.tableau.com/#/site/lccc/views/ProgramReview/Demographics?:iid=1>), identify the populations served by the discipline. Are there any inconsistencies? Does the Population served reflect the population of the college? If not, why, and how can the discipline serve a population more reflective of our community?

Medical Office Assisting serves a diverse student population with up to 52% Hispanic/Latinx, 13% Asian/Pacific Islander, and 12% African American/Black. Dental Assisting is another Allied Health program with a diverse student cohort, with upwards of 83% of students identifying as Hispanic/Latinx. EMT over the last four years have served between 20 - 29% Hispanic/Latinx students, which is below community demographic distribution and overall college representation, and presents an opportunity for recruiting more culturally diverse students into the program, along with resources and supports to enable students to successfully pass and to help the program deliver a more diverse skilled workforce to industry partners.

Using student success data (<https://10az.online.tableau.com/#/site/lccc/views/ProgramReview/SuccessRatesOverall?:iid=1>), identify any trends in successful completion of courses.

Are there particular courses (<https://10az.online.tableau.com/#/site/lccc/views/ProgramReview/SuccessRatesbyCourse?:iid=1>) students are struggling in?

Are there any demographics that are less likely to complete certain courses in the discipline?

What steps need to be taken to support students and the department in meeting its equity obligations?

Student success and completion rates in EMT and Dental Assisting appear to be consistent across student demographic groupings, while a review of the data for MOA students shows a slight equity gap with students identifying as Hispanic/Latinx succeeding at slightly lower rates.

Are there any courses lacking Title V Updates?

If so, how many and why?

(Please check your courses in eLumen for the most recent list of courses that require updates.)

Faculty in related Allied Health disciplines have been assigned Title V updates and are currently sending through a number of Course Outlines of Record through the curriculum committee.

The goal is that all outstanding Title V updates will be completed within the next 18 months, along with potential course deactivations.

Describe the approach to scheduling in terms of offering a balance of Face to Face (F2F) and Online opportunities for students.

Scheduling in Allied Health depends upon the course, with all Dental Assisting courses F2F, EMT has evolved into a hybrid model, MOA being all distance education. Faculty have reported being satisfied with current modalities offered, but there may be potential to add more F2F/Hybrid EMS offerings in the future.

Are there any insights specific to this discipline regarding scheduling modality in terms of success rates, student retention, or course cancellations?

Success rates and student retention rates remain high across Allied Health programs, and cancellations have varied due to lack of student enrollments and challenges with instructor coverage, which has been addressed by the recent hire of a full-time, tenure-track EMS faculty member.

Are the full-time faculty teaching the courses with the most face to face students? Why/why not?

Yes, the one full-time faculty member in EMS is currently teaching the hybrid EMT course, along with 25 other adjunct faculty and Instructional Assistants.

Are staffing levels adequate to fulfill the purpose of the program?

EMT in particular is investing in building its instructional team to enable future department expansion, and Dental Assisting has onboarded new adjunct faculty in recent years to help cover the various courses and sections offered throughout the year.

What professional development opportunities have faculty in this discipline taken advantage of? Are there any unmet professional development needs?

To address any equity gaps (e.g., Hispanic/Latinx students in MOA), instructors will be encouraged to participate in the Cultural Fluency Teaching Academy along with other DEIM trainings and efforts available through LTCC, and encouraged to reflect in their DEI addenda during the Title V update process through curriculum.

Where applicable, outline and explain any budget shortfalls for this discipline.

Emergency Medical Services has invested significantly in training equipment and supplies since the arrival of the full-time tenure-track faculty member in summer 2023, with a need for more investments in the next year. Dental Assisting has a continual need for updated and upgraded equipment, and the College works in collaboration with South Tahoe High School to address deficiencies and identify potential funding sources.

If additional financial resources are needed, please describe how they will increase student success, retention, or completion.

The EMS program would benefit from an Ambulance Simulator (available through SimRig or other vendors) to provide a realistic training environment. The acquisition of the Ambulance Simulator would enable students to perform skills training and testing even in inclement weather, and would provide a better-trained workforce for Cal-Tahoe EMS and other agencies, which hires a number of program graduates to work on ambulances immediately out of the program. Simulators cost upwards of \$500k and would require dedicated classroom space, so there are a number of considerations prior to the college moving towards trying to identify potential funding sources.

Using the SLO Data above, are there any SLOs for any particular courses that students are not successfully understanding? How do you plan to address this?

SLOs around the Dental Assisting Externship (working chairside with actual dental patients) and Medical Coding for MOA are two areas for potential support and improvement, and will be discussed with instructors at the upcoming advisory committee.

**What are the major strengths of your department?**

Industry partnerships, professional instructors currently working in the field, strong job opportunities and job placement for students in Dental Assisting, Medical Office Assisting and EMT.

**In what ways could your department improve to better meet the needs of the College and support student success?**

Continue to grow the EMS program, including potential summer sections and/or future second course offerings in Fall and/or Spring quarters, the possibility of adding a Wilderness EMT section, and continued support of MOA and Dental Assisting to help local doctor and dentist offices to connect with students and fill open positions.

**What are the biggest challenges your department may face in making these improvements?**

Staffing and instructor capacity, along with facilities. The EMS program in particular is in urgent need of larger, more flexible instructional space to break out into skills/lab training, along with dedicated spaces for a decommissioned ambulance and potentially an ambulance simulator to provide a more realistic training environment.

**Identify any other questions, comments, suggestions, or concerns you may have.**

A Tahoe Basin Public Safety Training facility is urgently needed for EMS, along with Fire, Forestry and Law Enforcement training. The current (single small) classroom available for EMT is insufficient for training, and an apparatus bay connected to a training tarmac would allow the program to acquire and train on a decommissioned ambulance.

**Dean Review** : Version by **Deeds, Brad** on **01/31/2024 18:55**

Brad Deeds