**College of Southern Nevada**

**COURSE CURRICULUM MAP**

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| Course Number: DH 102 | Course Title: Oral Biology | | | Department: Dental Sciences | | |
| Course Description: Histology and embryology of oral structural formation. Clinical recognition of normal oral structures, study of physiological and structural functions of the teeth, head and neck, and supporting tissues. | | | | | | |
| Instructions: | 1. List each course outcome in the purple column. 2. Review the course objectives (if you use them) and identify two things: the key knowledge concepts and key skills that the student must learn to achieve the course outcome. 3. Review the syllabus for learning activities (e.g., anything you assign, learning activities, discussion, or practice time, visits to student services) NOTE- a learning activity can be graded or non-graded. 4. Identify an appropriate assessment measurement instrument to determine student achievement of the course outcome. NOTE- the assessment measure should ask the student to do what the action verb indicates in the course outcome. 5. For each course outcome, identify one or more program outcome(s) by number that it supports. (Note: a course must have at least one outcome that supports at least one program outcome; but not all course outcomes must directly support program outcomes) | | | | | |
| **Course Outcomes** (All approved by the FS Curriculum Committee can be found in CurricUNET**) –**  Indicates what the student should be able to do/perform by the end of the course. | **Program Outcome(s)-** List by # | **Course Objectives-** objectives identify the learning concepts the teacher will teach and the student must learn(some disciplines do not identify objectives separate from outcomes. If so, focus on the learning concepts of the outcome) | | | **Learning Activities-** in class and out of class activities/assignments that allow the students to combine the knowledge and skills together and practice their “ability”. | **Assessment measure(s)-** describe the artifact and how it measures achievement of the outcome ability. What is the performance benchmark indicating achievement? When is the artifact administered? |
| **Key Knowledge-** Identify the learning concepts you will teach them**.** | **Key Skills-** identify what the student needs to perform. Must address the action verb in the outcome. | |
| Explain embryological development of the structures of the head and neck and their related pathologies. | 1 & 3 | Embryological Stages  Head & Neck Anatomy  Healthy Anatomy  Diseased Anatomy | Verbally differentiate the embryological stages  Compare & contrast healthy & diseased anatomy | | Anatomical model identification (lab practice)  Student Group Presentation Quiz  Midterm MC Exam  Final Lab Practical | Final Lab Practical- Timed identification of stages - 3 MC question responses  Achieve 80% on MC question responses |
| Differentiate between various types of teeth and tooth morphology in wax carvings | 1 & 3 | Tooth identification & numbering system  Tooth characteristics & morphology | Tooth drawings protocols  Wax carving protocols  Self-analysis of skills | | 16 Tooth drawings (homework assignments)  5 Wax carvings (lab practice & take home assignments) | Wax carving student & instructor evaluations  Achieve 80% on carving scores and be within a 5 point range of instructor rating on at least 2 of the 5 carvings. |
| Analyze the skeletal, muscular, circulatory, and nervous system anatomy and physiology essential for delivery of local anesthesia | 1 & 3 | Head and Neck Anatomy  Skeletal system  Muscular system  Circulatory system  Nervous system | Verbal & written Identification of structures  Critical thinking and problem-solving  Evidence-based analysis procedures | | Anatomical model identification (lab practice)  Head and neck anatomy quizzes  Student Group Presentation Quiz  Final Lab Practical | Final Lab Practical- Timed identification of anatomical systems - 10 MC question responses. 2 short answer case-based responses  Achieve 80% on MC questions & short answers |