

**SYLLABUS**

COURSE #: DHYG 112

COURSE TITLE: Tooth Morphology

CREDITS: 1

**CATALOG DESCRIPTION:**

The study of the anatomy of human teeth, exfoliation and occlusion.

Prerequisites: Admissions into the Dental Hygiene Program.

Co-requisites: DHYG 110, 113, 114, 115, 217, and enrolled in or completed with a C or above, ENGL 211 or 218.

Semester Offered: Fall

<i>Common Student Learning Outcomes</i>	
<i>Upon successful completion of San Juan College programs and degrees, the student will....</i>	
<i>Learn</i>	<i>Students will actively and independently acquire, apply and adapt skills and knowledge to develop expertise and a broader understanding of the world as lifelong learners.</i>
<i>Think</i>	<i>Students will think analytically and creatively to explore ideas, make connections, draw conclusions, and solve problems.</i>
<i>Communicate</i>	<i>Students will exchange ideas and information with clarity and originality in multiple contexts.</i>
<i>Integrate</i>	<i>Students will demonstrate proficiency in the use of technologies in the broadest sense related to their field of study.</i>
<i>Act</i>	<i>Students will act purposefully, reflectively, and respectfully in diverse and complex environments.</i>

**COURSE GOALS:**

This course provides essential knowledge needed so the student can effectively assess changes in the teeth due to: caries, periodontal disease, malocclusion and trauma; recognize tooth anomalies; assess occlusion; and know when teeth erupt and exfoliate.

**LEARNING OUTCOMES:**

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

1. Consult with professional colleagues using appropriate medical/dental terminology.
2. Discuss the role of the professional dental hygienist, the dental hygiene process of care, and factors that influence clinical practice as related to tooth morphology.
3. Explain the importance of infection control, asepsis and OSHA Standards and identify methods of prevention of disease transmission when working with extracted teeth.

4. Explain the objectives and procedures of the dental examination as related to tooth anatomy and their relationship to providing comprehensive patient care.
5. Explain the importance of patient assessment and apply this knowledge when presented with case studies reflecting comprehensive patient care.
6. Name and describe anatomical parts of a tooth and supporting periodontal tissues.
7. Describe the relationship between form and function of teeth.
8. Examine and draw individual permanent teeth and describe their morphology characteristics and eruption patterns.
9. Examine and draw individual primary teeth and describe their morphology characteristics and eruption/exfoliation patterns.
10. Compare and contrast characteristics of deciduous and permanent teeth.
11. Recognize tooth anomalies.
12. Describe the anatomical determinants of occlusion, function, and malfunction of occlusal mechanisms.
13. Explain how the knowledge of dental anatomy may be applied to the practice of dental hygiene including the procedures of dental charting, dental and dental hygiene diagnosis, scaling and root planning procedures.

This syllabus developed by: Josalyn Sewell, RDH

Date: August 10, 2010

This syllabus reviewed by: Dr. Julius N. Manz

Date: August 16, 2010

**COURSE GUIDE**

DHYG 112 Tooth Morphology

Instructor: Josalyn Sewell, RDH  
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Email address: josalynsewell@gmail.com  
Office Hours: By appointment

Required Textbooks:

Dental Anatomy: A Self-Instructional Program, (1998), 10<sup>th</sup> ed., Karst, N. and Smith, S.,  
Prentice Hall.

Illustrated Dental Embryology, Histology, and Anatomy, (2006), 2<sup>nd</sup> ed., Bath-Balogh, M. and  
Fehrenbach, M., Elsevier Saunders.

Illustrated Dental Embryology, Histology, and Anatomy Workbook, 2<sup>nd</sup> ed., (2006). Bath-  
Balogh, M. and Fehrbach, M., Elsevier Saunders.

Supplies and Materials:

¼ inch grid (quad) graph paper  
#2 pencils  
small millimeter ruler  
colored pencils

Grading Criteria:\*

Attendance/participation	10%
Quizzes (8)	20%
Tooth anatomy drawings and carvings	20%
Exams (3)	50%

Grading Scale:

A= 90- 100%  
B= 80- 89%  
C= 75- 79%  
D= 60- 74%\*\*  
F= below 60%\*\*

*\*A dental hygienist must exhibit professionalism through the application of a professional code of ethics. Unprofessional conduct will be reflected in the grade and may be grounds for dismissal. Refer to Policy and Procedure Manual for further information.*

*\*\*A final grade below a "C" (75%) will interrupt a student's progress through the Dental Hygiene Program and may result in dismissal from the Program. If you are having trouble with this course, it is your responsibility to contact the instructor and arrange for tutoring or other assistance.*

## **COURSE POLICIES:**

**Preparation:** It is expected that students prepare for class. Students should be prepared to participate in active learning discussions in each class on the topic assigned for that day. Students may be quizzed or tested on any assigned material once the date listed next to the assigned reading has arrived.

**Attendance Policy:** Students are expected to attend all regularly scheduled classes and to be on time. Failure to attend class or a pattern of tardiness, unless arrangements have been made and agreed to by the instructor prior to class, will result in a grade reduction. Students who do miss class for whatever reason are responsible for all materials missed and for ensuring that their assignments are turned in on time.

**Make-Up Policy:** If an exam is missed, it is the student's responsibility to make arrangements with the instructor and schedule a Make-Up Examination. The Make-Up exam may be different from the one given to the other students and may be oral, written, or a combination of both. *The grade for the Make-Up exam will have a 5% deduction in the grade achieved.*

**Assignments:** not received on time will receive a 5% per day reduction in grade. "Computer problems" do not excuse your assignment for being late. Students are considered mature enough to seek faculty assistance and to monitor their own progress in meeting course requirements.

**Professional Policy:** This is a professional training program and as such students are expected to behave in a professional manner. All students are expected to participate in an active, productive way that enhances learning for all in the classroom and clinical settings. All students are considered mature enough to seek faculty assistance and to monitor their own progress in meeting course requirements **Please turn off audible ringers and alarms on cell phones.** It is understood that there are those who depend on you and may need to reach you in an emergency. However, please ask your friends and family to avoid calling you unnecessarily during class. Professional language and demeanor are expected at all times.

**Academic Dishonesty:** Unethical and unprofessional activities will not be tolerated. Refer to the Policy and Procedures Manual and the SJC Student Handbook for more information.

**Student Grievance Procedure:** Policies regarding Student Grievance can be found in the SJC Course Catalog and in the Policy and Procedure Manual. A student who has a problem with the course or the course instructor should make every attempt to resolve the problem with the course instructor *first*. If the issue remains unresolved, the student should then discuss their concerns with the Dental Program Director. If the response is not adequate to the student, the student should then follow the outlined SJC policy for Student Grievance.

**Course Outcomes Inventory:** The effectiveness of DHYG 112 is measured by several methods:

1. Completion of all course work with a satisfactory grade.
2. Course evaluations.
3. Analysis of clinical application of material presented.
4. Scores on National and Regional Boards are reviewed and evaluated.

Accommodations Statement: Students who need accommodations (i.e. note taker, interpreter, special seating, etc.) need to provide accommodation notices to the instructor. Students can contact the Students with Disabilities on Campus (SDOC) Coordinator in the Counseling Center, located in the Clock tower Building, to make arrangements and provide documentation in accordance with the Americans with Disabilities Act of 1990.

### Tooth Morphology Fall 2008 Schedule\*

*\*This schedule may be revised at Instructor's discretion—ADDITIONAL ASSIGNMENTS WILL BE ANNOUNCED THROUGHOUT SEMESTER*

WEEK	DATE	OUTLINE	READING ASSIGNMENT
1	8/26/09	<b>Pretest</b> Course Intro Intro to Dental Anatomy Tooth naming and coding	Karst & Smith p.1-24 Bath-Balogh/Fehrenbach p. 233-242
2	9/2/09	Tooth surfaces Root structure Tooth tissues Supporting structures Quiz 1	Karst & Smith p. 25-72 Bath-Balogh/Fehrenbach p. 242-245
3	9/9/09	Tooth development & eruption Occlusion Embrasures, Proximal Contacts, and Contours of tooth crowns Quiz 2	Karst & Smith p. 73-120 Bath-Balogh/Fehrenbach p. 238
4	9/16/09	<b>Test I</b>	Karst & Smith p. 1-120 Bath-Balogh/Fehrenbach p. 233-245
5	9/23/09	Permanent incisors	Karst & Smith p. 121-208 Bath-Balogh/Fehrenbach p. 247-263
6	9/30/09	Permanent canines Quiz 3	Karst & Smith p. 209-247 Bath-Balogh/Fehrenbach p. 263-271
7	10/07/09	Permanent premolars Quiz 4	Karst & Smith pp. 249-352 Bath-Balogh/Fehrenbach p. 273-291
8	10/14/09	<b>Test II</b>	Karst & Smith pp. 121-352 Bath-Balogh/Fehrenbach p. 247-291
9	10/21/09	Permanent maxillary molars	Karst & Smith p. 353-422 Bath-Balogh/Fehrenbach p. 291-305
10	10/28/09	Permanent mandibular molars Quiz 5	Karst & Smith p. 423-484 Bath-Balogh/Fehrenbach p. 305-312
11	11/04/09	Workshop: Carving teeth Quiz 6	Scheid p.473-480
12	11/11/09	Primary Dentition <b>CARVING DUE</b>	Karst & Smith p. 485-550 Bath-Balogh/Fehrenbach p. 313-324
13	11/18/09	Functional Occlusion Quiz 7 <b>TOOTH PORTFOLIO DUE</b>	Scheid p.359-402
14	11/25/09	<b>THANKSGIVING HOLIDAY</b>	
15	12/2/09	Dental Anomalies Quiz 8	Scheid p.403-431
16	12/09/09	<b>Test III</b>	Karst & Smith p. 353-550 Bath-Balogh/Fehrenbach p. 291-324 Scheid p. 359-431

