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<b>COURSE PREFIX/NO:</b>	<b>DAT 112</b>
<b>COURSE TITLE:</b>	<b>Integrated Human Science</b>
<b>LECTURE HRS/WK:</b>	<b>3.0</b>
<b>LAB HRS/WK:</b>	<b>3.0</b>
<b>CREDIT HRS/SEMESTER:</b>	<b>4.0</b>

### **COURSE DESCRIPTION**

This course provides a basic study of human anatomy, physiology, and microbiology as related to dental science and the practice of dental assisting.

### **COURSE COMPETENCIES**

Upon successful completion of DAT 112, the student should be competent to perform the following:

#### **Module I – Microbiology and Chemistry of Living Things**

1. Recognize fundamental concepts about microbiology including the major types of pathogenic organisms.
2. Explain the development, transmission, prevention, and control of infectious diseases.
3. Relate the importance of chemistry to health care.

#### **Module II – Introduction to Structural Units**

1. Explain fundamental concepts about anatomical structures, positions, and planes.
2. Correlate basic information about cells, tissues, and organs as they apply to principles of normal and pathological conditions.

#### **Module III – Systems of the Body**

1. Identify the components of the integumentary, skeletal, muscular, nervous, circulatory, digestive, and respiratory systems with emphasis on the head and neck.
2. Identify landmarks of the face and oral cavity.
3. Identify bones, nerves, blood vessels, and muscles of the head and neck region.
4. Identify salivary glands and ducts in the oral cavity and lymph nodes of the head and neck region.
3. Discuss the disorders and diseases associated with the reproductive, urinary, and endocrine systems.
4. Identify major concepts concerning diseases with emphasis on dental diseases.
5. Identify the components of the lymphatic and immune systems.
6. Discuss the disorders and diseases associated with the special senses.

### **EVALUATION STRATEGIES/GRADING**

A comprehensive examination will be required for DAT 112. All competencies will be evaluated by written tests on lecture and lab materials at regular intervals. Certain competencies, at the instructor's discretion, may be further evaluated through homework, oral quizzes, lab quizzes, out of class assignments, laboratory reports, and other appropriate measures of competency.

## GRADING

The final grade for DAT 112 will be determined as follows:

Lecture Tests:	85%
Lab Grade:	<u>15%</u>
	100%

Grading Scale: A minimum grade of 70% must be earned in DAT 112 to meet the degree requirements. A grade below 70% will make the student ineligible to be promoted to the next semester.

A	100 - 90
B	89 - 80
C	79 - 70
D	69 - 60
F	59 - below

## ATTENDANCE POLICY

Students are responsible for attending all scheduled meetings in the courses in which they are enrolled until they have completed all course requirements. Students are responsible for all materials covered and for all assignments made in classes. Students who are absent from a class more than 10 percent of the hours assigned may be withdrawn. Three tardies constitutes one absence.

In other words, if a student misses lecture and laboratory periods which when combined equals 10 percent of the total class periods prior to midterm, then he/she may be withdrawn and given a "W." However, if the number of absences is exceeded after midterm, the student may be assigned a "W" or a "WF." The "WF" indicates student was withdrawn after midterm and was making unsatisfactory progress at the point of withdrawal. The instructor can give a "W" after midterm if academic progress is satisfactory to that point.

## ACADEMIC INTEGRITY

The student is bound to uphold the academic integrity policy stated in the York Technical College Catalog Handbook and the signed agreement with the Dental Health Professions Department.

## MINIMAL STANDARDS

The minimal average for the Expanded Duty Dental Assisting Program is 70%.

**ENTRY-LEVEL SKILLS:** Satisfactory completion of the prerequisite.

**PREREQUISITE:** Acceptance into the Expanded Duty Dental Assistant Program

**CO-REQUISITES:** DAT 115, DAT 113, DAT 154, DAT 118, DAT 121

**Disabilities Statement:** Any student who feels she/he may need an accommodation based on the impact of a disability should contact the Special Resources Offices (SR)) at 803-327-8007 in the 300 area of Student Services. The SRO coordinates reasonable accommodations for students with documented disabilities.