

Hagerstown Community College
OFFICIAL COURSE SYLLABUS DOCUMENT

COURSE: DHY 112 – Dental Materials and Procedures

2 credits

INSTRUCTOR: Marlaina Lantz RDH, MS
Rhonda Hull, RDH, BSDH

SEMESTER/YEAR: Spring 2016

COURSE DESCRIPTION: This course is designed for dental hygiene students and dental assisting students, and is the study of dental materials including their biological, physical, mechanical, and chemical properties. The didactics portion of this course includes proper manipulation and technique, handling, and storage of dental materials. The course is designed to discuss commonly used dental products such as amalgam, synthetic resins, dental cements, gypsum, impression materials, provisional coverage and alloys. Total of 15 lecture hours and 30 laboratory hours. Prerequisites: DHY 101, DHY 102, DHY 108 Co-requisites: DHY 110, DHY 111

TEXTBOOK:

Gladwin, Marcia A. and Bagby, Michael, Clinical Aspects of Dental Materials: Theory, Practice, and Cases, 3rd Ed. 2009, Lippincott. ISBN: 978-0-7817-6489-6.

STUDENT LEARNING OUTCOMES:

- Analyze the principles of dental materials to rationalize the use of these materials.
- Describe the physical and chemical properties of dental materials as it relates to biocompatibility, biomechanics and the oral environment
- Demonstrate the appropriate manipulation and safe handling of various dental materials in a clinical setting.

Total Hours of Coursework:

To earn one academic credit at HCC, students are required to complete a minimum of 37.5 clock hours (45 fifty-minute “academic” hours) of coursework per semester. Those hours of coursework may be completed through a combination of hours within the classroom and hours outside the classroom. Certain courses may require more than the 37.5 minimum hours of coursework per credit.

For most classes, students should expect to do at least 2 hours of coursework outside of class for each hour of in-class coursework.

ACCOUNTING FOR CREDIT HOUR REQUIREMENT

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| Reading / Studying for lecture exams | 2 exams x 15 hours = 30 |
| Homework Case study / Poster project | 20 hours |
| Preparing for Lab skill evaluations | 10 hours |
| Total out of class time | 60 hours |