



# STARK STATE COLLEGE

## GENERAL SYLLABUS

### Course Information

**Course Name:** Dental Materials  
**Course Number:** DHY125

### Required Materials

**Textbook(s):** Stewart, M. (Gladwin), & Bagby, M. (2018). *Clinical Aspects of Dental Materials: Theory, Practice, and Cases* (5th ed.). Jones & Bartlett Learning

**Required Readings:** See weekly calendar below

**Additional Materials:** Dental Materials Lab Packet, Dental Materials Lab Supply Kit, and a webcam that can be purchased in the College Store.

### Course Outline/Calendar

The date of coverage and order of coverage may be modified based on the faculty member and events beyond the control of faculty members that interfere with class times and teaching.

Week	Chapter/Topic/Lab
Week 1	Lecture: (Stewart) CH 1 Intro to Dental Material; Lab Manual, Materials Kit, Lab: (Lab Packet and Supply Kit) Dentin Desensitizer
Week 2	Lecture: (Stewart) CH 2 Material Science and Dentistry; Pulp Testing
Week 3	Lecture: (Stewart) CH 3 Physical and Mechanical Properties of Dental Materials; Lab: (Lab Packet, webcam, and Supply Kit) Amalgam, Composite, Amalgam Polishing
Week 4	Lecture: (Stewart) CH 8 Impression Materials; Lab: (Lab Packet and Supply Kit) Alginate Impressions
Week 5	Lecture: (Stewart) CH 9 Gypsum; Lab: (Lab Packet and Supply Kit) First Pours
Week 6	Lecture: (Stewart) CH 14 Clinical Detection; CH 6 Amalgam Lab: (Lab Packet and Supply Kit) Alginate Impressions
Week 7	Lecture: (Stewart) CH 16 Polishing Materials and Abrasion; Lab: (Lab Packet and Supply Kit) Trimming First Pours
Week 8	Lecture: (Stewart) CH 4 Adhesive Materials; CH 7 Dental Cements; CH 23 Mixing Liners, Bases, and Cements; Lab: (Lab Packet and Supply Kit) Second Pours
Week 9	Lecture: (Stewart) CH 5 Direct Polymeric Restorative Materials; Lab: (Lab Packet and Supply Kit) Finishing and Waxing

<b>Week</b>	<b>Chapter/Topic/Lab</b>
Week 10	Lecture: (Stewart) CH 10 Materials for Fixed Indirect Restoration and Prothesis; Lab: (Lab Packet and Supply Kit) Study Model Set 1
Week 11	Lecture: (Stewart) CH 11 Removable Prothesis and Acrylic Resins; Lab: (Lab Packet and Supply Kit) Whitening Trays
Week 12	Lecture: (Stewart) CH 17 Tooth Whitening; Lab: (Lab Packet and Supply Kit) Block Out, Study Models
Week 13	Lecture: (Stewart) CH 13 Specialty Materials; CH 25 Sealants; Lab: (Lab Packet and Supply Kit) Study Model Set 2
Week 14	Lecture: (Stewart) CH 18 Oral Appliances; CH 24 Rubber Dam; Lab: (Lab Packet and Supply Kit) Sealants
Week 15	Dental Project Presentations
Week 16	Final Exam