



# STARK STATE COLLEGE

## GENERAL SYLLABUS

### Course Information

**Course Name:** Dental Radiography  
**Course Number:** DHY123

### Required Materials

**Textbook(s):** Iannucci, J., & Howerton, L. J. (2022). *Dental radiography: Principles and Techniques* (6th ed.). Elsevier Saunders

**Required Readings:** See weekly calendar below

**Additional Materials:** DHY123 Dental Radiography Lab Manual Packet; RINN Kit which 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: (Iannucci) CH 1 Radiation History; CH 2 Radiation Physics; CH 12 Dental Images; CH 7 Dental X-ray Equipment; CH 15 Legal Issues; CH 16 Infection Prevention; Lab: (Lab Manual) Facility Tour, Review Lab Manual, Operatory Set-Up & Infection Control
Week 2	Lecture: (Iannucci) CH 3 Radiation Biology; CH 4 Radiation Protection; CH 5 Radiation Characteristics; CH 6 X-ray Image Characteristics; Standard Operating Procedures, Lab: (Lab Manual) RINN Assembly, Sensor Placement on Typodont
Week 3	Lecture: (Iannucci) CH 13 Patient Relations; CH 14 Patient Education; CH 18 Dental Imaging Examinations; CH 24 Special Needs Patient Imaging; Lab: (Lab Manual) Phosphor Plate FMX on DXTTR, Scan X Training
Week 4	Lecture: (Iannucci) CH 19 Paralleling Technique; CH 11 Film Mounting & Viewing; CH 21 Bite-Wing Technique; CH 17 Quality Assurance; Lab: (Lab Manual) Sensor FMX on DXTTR
Week 5	Lecture: (Iannucci) CH 28 Normal Anatomy Intraoral Images; CH 22 Exposure & Technique Errors; Lab: (Lab Manual) Sensor FMX on DXTTR, Film Analysis, Self-Evaluation of Radiographs
Week 6	Lecture: (Iannucci) CH 29 Normal Anatomy Panoramic; Lab: (Lab Manual) Film Mounting; RINN Placement, Student Charts
Week 7	Lab: (Lab Manual) Student as Patients Radiographs, Self-Evaluation of Radiographs, Clinical Assistant Duties

<b>Week</b>	<b>Chapter/Topic/Lab</b>
Week 8	Lab: (Lab Manual) Student as Patients Radiographs, Self-Evaluation of Radiographs, Normal Anatomy FMX
Week 9	(Lecture: Iannucci) CH 20 Bisecting Technique; CH 25 Panoramic Imaging; CH 8 Digital Imaging; Normal Anatomy Panoramic
Week 10	Lab: (Lab Manual) Family/Friend as Patient Radiographs, Self-Evaluation of Radiographs, PAN and Intraoral Image Errors, Digital FMX Mounting
Week 11	Lab: (Lab Manual) Family/Friend as Patient Radiographs, Self-Evaluation of Radiographs, PAN and Intraoral Image Errors, Research Project Due
Week 12	Lecture: Iannucci) CH 23 Occlusal & Localization Technique; Lab: (Lab Manual) Occlusal Placement, Nomad Technique
Week 13	Lecture: (Iannucci) CH 32 Identification (Restorations, Dental Materials, and Foreign Objects); CH 33 Interpretation of Dental Caries; Lab: (Lab Manual) Bisecting and Tab Technique, PAN Technique
Week 14	Lecture: (Iannucci) CH 30 Intro to Image Interpretation; Lab: (Lab Manual) Occlusal Placement, Nomad Technique
Week 15	Lab: (Lab Manual) IO Photos Technique, Review for Written Final Exam; Practical Final Exam
Week 16	Written Final Exam