

Supragingival Scaling

The proposed rules petitioned by the SDDA require applicants for supragingival scaling be Registered Dental Assistants (RDA). Illinois and Kansas allow supragingival scaling by properly trained dental assistants but do not require the applicants be an RDA. Summaries of their requirements and rules are attached.

Education and Training

The draft of the proposed new rules petitioned by the SDDA requires the successful completion of a board-approved course of learning provided through a dental education program accredited by an agency recognized by the United States Department of Education. At least one in-state institution that meets the criteria above has committed to offer a course of learning which includes all the subject matter required in the proposed rules.

As a point of reference, Illinois and Kansas require 32 and 90 hours of training respectively. The syllabus for the two courses offered in Kansas are attached.

Competency

The draft of the proposed new rules petitioned by the SDDA requires demonstrated competency in performing supragingival scaling for the successful completion of an approved program of learning. The aforementioned in-state institution will incorporate competency testing as a component of their program as well as the completion of at least six full mouth supragingival scaling procedures performed under the supervision of a dentist.

Scope of Duties

The draft of the proposed new rules petitioned by the SDDA allows a registered dental assistant that holds a permit to perform supragingival scaling of a tooth under the direct supervision of a dentist. The proposed rules further require that supragingival scaling by a registered dental assistant may only be performed when a patient has no prior diagnosis of periodontal disease and has had a diagnosis of their periodontal health or condition, by a dentist, within the previous 13 months.

IL Coronal Scaling Rule

In addition to coronal polishing and pit and fissure sealants as described in this item (7), a dental assistant who has at least 2,000 hours of direct clinical patient care experience and who has successfully completed a structured training program provided by (1) an educational institution including, but not limited to, a dental school or dental hygiene or dental assistant program, or (2) a continuing education provider approved by the Department, or (3) a statewide dental or dental hygienist association, approved by the Department on or before January 1, 2017 (the effective date of Public Act 99-680), that has developed and conducted a training program for expanded functions for dental assistants or hygienists may perform: (A) coronal scaling above the gum line, supragingivally, on the clinical crown of the tooth only on patients 17 years of age or younger who have an absence of periodontal disease and who are not medically compromised or individuals with special needs and (B) intracoronar temporization of a tooth. The training program must: (I) include a minimum of 32 hours of instruction in both didactic and clinical manikin or human subject instruction; all training programs shall include areas of study in dental anatomy, public health dentistry, medical history, dental emergencies, and managing the pediatric patient; (II) include an outcome assessment examination that demonstrates competency; (III) require the supervising dentist to observe and approve the completion of 6 full mouth supragingival scaling procedures unless the training was received as part of a Commission on Dental Accreditation approved dental assistant program; and (IV) issue a certificate of completion of the training program, which must be kept on file at the dental office and be made available to the Department upon request. A dental assistant must have successfully completed an approved coronal polishing course prior to taking the coronal scaling course. A dental assistant performing these functions shall be limited to the use of hand instruments only. In addition, coronal scaling as described in this paragraph shall only be utilized on patients who are eligible for Medicaid, who are uninsured, or whose household income is not greater than 300% of the federal poverty level. A dentist may not supervise more than 2 dental assistants at any one time for the task of coronal scaling. This paragraph is inoperative on and after January 1, 2026.

Article 6.—DENTAL AUXILIARIES

71-6-1. Definitions. As used in these regulations, the following terms shall have the meanings indicated:

(a) “Approved instruction course” means a course of instruction that the board has found to meet the requirements listed in K.A.R. 71-6-3.

(b) “Coronal” means the portion of a tooth or tooth replacement visible above the gum line.

(c) “Coronal polish teeth” means to remove soft accretions and stains from coronal surfaces of teeth or tooth replacements.

(d) “Coronal scale teeth” means to remove hard deposits and accretions from the coronal surfaces of teeth or tooth replacements.

(e) “Direct supervision” means that the dentist is in the dental office, personally diagnoses the condition to be treated, personally authorizes the procedure, and, before dismissal of the patient, evaluates the performance or has it evaluated by another person licensed by the board. (Authorized by K.S.A. 74-1406; implementing K.S.A. 65-1423; effective Feb. 12, 1999; amended April 16, 2004.)

71-6-2. Acts restricted. (a)(1) A nonlicensed person shall not perform coronal scaling as part of a prophylaxis without first obtaining a certificate demonstrating successful completion of an approved course of instruction.

(2) The supervising dentist shall not permit a nonlicensed person to perform coronal scaling as part of a prophylaxis until that person's certificate, demonstrating successful completion of an approved course of instruction, is prominently posted at the location where the coronal scaling will be performed.

(b) A nonlicensed person shall not perform coronal scaling as a part of a prophylaxis on a patient who is under local or general anesthesia.

(c) A nonlicensed person may perform coronal scaling only under the direct supervision of a supervising dentist licensed and practicing in Kansas. (Authorized by K.S.A. 74-1406 and implementing K.S.A. 1997 Supp. 65-1423(h)(5), as amended by L. 1998, Ch. 141, Sec. 1; effective Feb. 12, 1999.)

71-6-3. Approved instruction course. (a) Each private or public educational entity seeking approval by the board, pursuant to L. 1998, Ch. 141, Sec. 1, of an instruction course shall demonstrate that the course meets the following minimum requirements:

(1) Has a student-instructor ratio consistent with the American dental association accreditation standards for dental assisting programs;

(2) encourages enrollment by a geographically diverse population of prospective students;

(3) includes the following course topics:

(A) Dental and gingival anatomy and morphology;

(B) periodontal disease, including recognition and treatment;

(C) dental plaque, stain, and calculus formation;

(D) sterilization and infection control;

(E) oral hygiene, with an emphasis on technique, products, and devices;

(F) topical fluoride application;

(G) the use of instruments, including technique, position, and sharpening;

(H) coronal scaling, including laboratory experience with mechanical and ultrasonic devices; and

- (1) coronal polishing, including laboratory experience;
 - (4) is a minimum of 90 hours;
 - (5) includes one or more outcome assessment examinations that demonstrate that the student has obtained technical and clinical competency in the coronal scaling of teeth; and
 - (6) upon successful completion of the course, issuance by the offering educational entity of a certificate identifying the student and the date of successful completion.
- (b) Before any proposed changes are made to the required elements of an approved instruction course, the changes shall be approved by the board. (Authorized by K.S.A. 74-1406 and implementing K.S.A. 1997 Supp. 65-1423(h)(5), as amended by L. 1998, Ch. 141, Sec. 1; effective Feb. 12, 1999.)

71-6-4. Subgingival scaling. Whenever coronal scaling is performed as part of a prophylaxis by a nonlicensed person who has a certificate from an educational entity demonstrating successful completion of an approved course of instruction, all subgingival scaling shall be performed by a hygienist or dentist licensed in Kansas. (Authorized by K.S.A. 74-1406 and implementing K.S.A. 1997 Supp. 65-1423 (h)(5), as amended by L. 1998, Ch. 141, Sec. 1; effective Feb. 12, 1999.)

71-6-5. Duty to notify board. Each supervising dentist who allows a nonlicensed person to coronal scale teeth after the effective date of this regulation shall meet the following requirements:

- (a) Verify that the nonlicensed person has proof of completing the training to coronal scale teeth required by K.S.A. 65-1423(a)(8)(E), and amendments thereto; and
- (b) report to the board the name and practice location of the nonlicensed person within 30 days of the effective date of this regulation or within 30 days of the nonlicensed person's first performing the coronal scaling of teeth under the supervision of the dentist, whichever is later. (Authorized by K.S.A. 74-1406; implementing K.S.A. 2014 Supp. 65-1423; effective Feb. 12, 1999; amended June 4, 2004; amended March 4, 2016.)

71-6-6. Coronal polishing. Any dentist licensed and practicing in Kansas may delegate to a nonlicensed person the coronal polishing of teeth if the dentist provides that person with direct supervision and has provided that person with the appropriate training in polishing techniques. (Authorized by K.S.A. 74-1406 and implementing K.S.A. 1997 Supp. 65-1423(h)(5), as amended by L. 1998, Ch. 141, Sec. 1; effective Feb. 12, 1999.)

Course Information

Course Number:	DEN 270
Course Title:	Supragingival Scaling
Prerequisites:	<i>Graduate of an accredited dental assistant program and CDA (Certified Dental Assistant) or three years employment as a dental assistant within the last three years or departmental consent.</i>
Credit Hours:	6
Type of Instruction:	Hybrid – Lecture/Lab/Online
Meeting Times:	8 a.m. to 2:30 p.m.
Meeting Days:	Wednesday and Friday
Meeting Location:	Dental Assistant Classroom and Lab

Instructor Information

Instructor:	Brooke Horner, CDA, RDH, MS
Phone:	785.309.3125
Cell:	316.312.0668
Email:	Brooke.Horner@Salinatech.edu

Course Description

This is a course approved by the Kansas Dental Board, designed for experienced dental assistants to expand their skills in preventive dentistry with didactic, laboratory and clinical instruction in supragingival scaling and polishing. Includes review of dental anatomy and terminology, radiography and infection control, as well as didactic instruction in nutrition, periodontal disease, dental caries, oral hygiene instruction, topical fluoride, principles of instrumentation communication skills and risk management.

Institutional Outcomes

The following institutional learning outcomes (bold faced) will be developed and documented in this course:

- **Critical Thinking Skills**
- **Technical Skills**
- **Communication Skills**
- **Interpersonal (workplace) Skills**

Course Outcomes

The following program outcomes will be developed and documented in this course. See Appendix A:

- The student will have understand dental and periodontal anatomy, morphology, and disease.
- The student will be able to understand dental biofilm, stain, and calculus formation and its contribution to periodontal disease.
- The student will be able to competently perform an oral examination, including examination of the periodontium.
- The student will be able to competently deliver oral hygiene instructions and recommend oral hygiene techniques and products.
- The student will be able to competently perform infection control techniques.
- The student will be able to competently administer a topical fluoride application.
- The student will be able to competency perform the components of patient care prior to supragingival instrumentation.
- The student will be able to understand instruments and principles of instrumentation.
- The student will be able to competency perform supragingival instrumentation.
- The student will be able to competently perform coronal polishing.
- The student will be able to competently examine the periodontium using radiographs.

Textbook and Other Required Materials

Clinical Practice of Dental Hygiene 12th ed., Wilkins, Esther M.

Fundamentals of Periodontal Instrumentation 8th ed., Jill S. Nield-Gehrig

Evaluation Procedure

1. Students will be expected to meet all the learning outcomes listed above and be able to demonstrate their understanding of the underlying concepts.
2. The course will require the completion of ALL class requirements.
3. Final grades will be assigned based on the following grading scale:
 - 93-100% = A
 - 83-92% = B
 - 75-82% = C
 - 70-74% = D
 - Below 69% = F
4. Final grade is weighted as follows:
 - a. Roll Call Attendance/Professionalism- 8%
 - b. Tests/Quizzes- 35%
 - c. Lab-25%
 - d. Case Studies- 32%
5. Competency Evaluation:
 - a. Pass/Fail

Institutional Policies

1. Please refer to the current College Catalog available online at:
http://www.salinatech.edu/prospective_students/college_catalog.shtml

2. **Ethical Uses of Information**

Salina Area Technical College (SATC) expects all students to maintain high standards of honor in personal and academic conduct. Any deviation from this expectation may result in a minimum of a failing grade for the assignment and potentially a failing grade for the course. All academic dishonesty concerns will be reported to SATC's Student Services office. Academic dishonesty includes, but is not limited to, cheating on an examination or other academic work, plagiarism and improper citation of sources, using another student's work, and the abuse of resource materials. When in doubt on collaboration, citation, or any issue, please contact me or see the College Catalog for more information.

Instructor Policies

Homework

Student will be expected to complete homework assignments on time. All assignments are due when class begins. No homework will be accepted after the due date unless prior arrangements have been made with the instructor. If the assignment is turned in after class has begun the late work policy will be applied. If a student is absent, they must turn in their work the first day back to campus. If a student has a planned absence their work must be turned in prior to the due date.

Online Assignments/Discussions

Students will complete several online assignments and discussions within the course on the scheduled due dates specified in the course schedule. *See Appendix B - course schedule - for exact due dates.

Quizzes and Exams

All quizzes and exams are administered through the online course, Blackboard Learning. Quiz information will be directly related to the topic of discussion. The course schedule will indicate which chapters the students will be quizzed on. Student will not get an opportunity to make up quizzes.

Midterm/Final Exam

The midterm and final exams will be as scheduled. The exam will start 10 minutes after the beginning of class to allow for student questions. It is unacceptable to miss either of these exams. If the student is not present or late for the exam, then the student will receive a zero, which could result in failure of the class.

Extra Credit

Extra credit may be offered at the discretion of the instructor.

Communication

All communication between faculty, administration, staff and advisors will be directed to the student email account. Example: lucy.smith@salinatech.edu Your specific email address should have been given to you. Your instructor also has your email address on their class roster. **It is the student's responsibility to check their SATC email account frequently.**

Attendance

Regular attendance and punctuality reflect an attitude of willingness to learn and ultimately affect success in the course and on the job. Any major portion of an hour not in attendance is counted as an absence for the course. Students are expected to attend all scheduled class and examination meetings.

You are given 80 attendance points (5 pts per day). You will lose 5 points per day if you are absent from lab. Once your attendance drops below 90%, then you will lose all of your points for attendance. This loss will result in a drop in letter grade.

Hybrid Attendance:

You will be required to log into the class a minimum of 2-3 times weekly and complete work both online and in the classroom. Pay close attention to deadlines, and allow yourself plenty of time to complete assignments, discussion questions, quizzes, and exams.

Computer Requirements

Taking this class requires you to have access to a computer (with Internet access) to complete and upload your assignments. It is your responsibility to have a working computer. ***Assignments and tests are due by the due date, and personal computer technical difficulties will not be considered reason for the instructor to allow students extra time to submit assignments, tests, or discussion postings. Your computer being down is not an excuse for missing a deadline!!*** There are many places to access your class! Our online classes can be accessed from any computer in the world which is connected to the internet. Contact your instructor immediately upon having computer trouble.

The college cannot work directly on student computers due to both liability and resource limitations however they are able to help you get connected to our online services.

Instructor Class Policies

- Students should address the instructor for concerns regarding issues related to class.
- Students must wear scrubs to lab according to OSHA standards.
- Students must be aware of hazards and adhere to safety regulations within the lab and working with materials.
- Be a team player. If you excel at a skill where another is delinquent, help them. You may explain it better than the instructor.
- Students are to be respectful of their fellow classmates. This means refraining from the misuse of electronic devices.
- If a student's use of an electronic device becomes distracting, that student may be asked to leave.

Notice of Non-Discrimination

Salina Area Technical College does not discriminate on the basis of race, color, national origin, sex, age, or disability in admission or access to, or treatment or employment in, its programs and activities. Any person having inquiries concerning compliance with the regulations implementing Title VI, ADA, Title IX, or Section 504 is directed to contact the Vice President of Student Services, 2562 Centennial Rd, Salina, KS 67401, 785-309-3169.

This syllabus was approved: [Click here to enter a date.](#)

Appendix A

Course Outcomes and Objectives

Outcomes: The student will have understand dental and periodontal anatomy, morphology, and disease.	
Objectives	
1.	Pronounce, spell, and define key terms as it relates to dental and periodontium anatomy, morphology, and disease.
2.	Identify the structures of the periodontium.
3.	Discuss recognition of gingival and periodontal infection.
4.	Discuss morphology of the periodontium.
5.	Describe the characteristics of gingival tissue.
6.	Discuss the development of periodontal disease.
7.	Discuss contributing factors for periodontal disease.
8.	Identify diseases/medications which increase the risk for developing periodontal disease.
9.	Discuss signs and health and disease in periodontal tissue of adults and children.
10.	Discuss dentitions.
11.	Discuss morphology of the teeth.
12.	Discuss the development of noncarious anomalies.
13.	Discuss the cause and progression of dental caries.
14.	Discuss nutrition and its link to caries.
Outcomes: The student will be able to understand dental biofilm, stain, and calculus formation and its contribution to periodontal disease.	
Objectives	
1.	Pronounce, spell, and define key terms as it relates to biofilm
2.	Discuss the acquired pellicle.
3.	Describe stages of formation for biofilm.
4.	List the microorganisms associated with biofilm.
5.	Discuss the difference between supragingival biofilm and subgingival biofilm.
6.	Discuss the effect of diet on biofilm.
7.	Describe material alba.
8.	Discuss biofilm, stain, and calculus, and its role in periodontal disease.
9.	Describe the composition of calculus.
10.	Describe the formation of calculus.
11.	Discuss the characteristics of supragingival and subgingival calculus.
12.	Discuss intrinsic and extrinsic stain.

Outcomes: The student will be able to competently perform an oral examination, including examination of the periodontium.
Objectives
1. Demonstrate documentation of findings in a periodontal examination.
2. Demonstrate performance of a thorough examination of the periodontal tissue.
3. Demonstrate performing a dental evaluation.
4. Demonstrate evaluating risk assessment for caries and periodontal disease using indices which measure oral hygiene status.
5. Demonstrate the assessment of stain.
6. Demonstrate assessment of oral hygiene needs.
Outcomes: The student will be able to competently deliver oral hygiene instructions and recommend oral hygiene techniques and products.
Objectives
1. Discuss the variations of toothbrushes and when one should be recommended over another
2. Discuss the variations of mouth rinses and when one should be recommended over another
3. Discuss the variations of dentifrices and when one should be recommended over another
4. Discuss the variations of floss and flossing aids and when one should be recommended over another
5. Discuss the variations of other oral hygiene aids and when one should be recommended over another.
6. Describe oral hygiene techniques and assess when to recommend.
7. Discuss assessing need and selection of oral hygiene aids for oral hygiene education.
8. Demonstrate providing oral hygiene and diet education.
9. Discuss tobacco counseling and cessation.
Outcomes: The student will be able to competently perform infection control techniques.
Objectives
1. Discuss clinical attire appropriate for dental office clinicians.
2. Discuss the use and selection of personal protective equipment PPE.
3. Demonstrate proper hand care and handwashing technique.
4. Demonstrate proper donning of PPE.
5. Demonstrate proper dental unit disinfection.
6. Discuss varieties and selection of dental unit barriers.
7. Demonstrate patient preparedness in the dental unit.
8. Discuss selection of chemical disinfectants.
9. Discuss the variety of sterilization techniques.
10. Demonstrate cleaning procedures of dental instruments.
11. Demonstrate dental instrument sterilizations.
12. Demonstrate biological monitoring.
13. Discuss post-exposure management.
14. Discuss regulations and guidelines in regards to dental waste disposal.

Outcomes: The student will be able to competently administer a topical fluoride application.
Objectives
1. Discuss the metabolism of fluoride.
2. Describe the effects of fluoride on tooth development
3. Discuss the demineralization and remineralization.
4. Describe methods for delivering fluoride.
5. Discuss the parameters for recommending supplemental fluoride.
6. Demonstrate delivery fluoride.
Outcomes: The student will be able to competency perform the components of patient care prior to supragingival instrumentation.
Objectives
1. Discuss reception of the patient prior to care.
2. Demonstrate proper clinician ergonomics
3. Discuss the components of the patient chart.
4. Demonstrate reviewing a medical history and patient assessment.
5. Discuss the need of prophylactic antibiotics.
6. Discuss the components of vital signs
7. Demonstrate collection of vital signs.
8. Discuss the components of an extraoral and intraoral examination (EIE).
9. Discuss the morphologic categories of an EIE.
10. Discuss oral cancers and the importance of early detection.
11. Demonstrate performing an EIE and documentation.
12. Discussed assessing patient's restoration and planning for care (Implants, bridges, partials, etc.)
13. Describe how patient's restorations can change implementation of care.
Outcomes: The student will be able to understand instruments and principles of instrumentation.
1. Demonstration recognition of instruments used in supragingival scaling and basic care.
2. Describe the uses of selected instruments.
3. Identify the parts of an instrument.
4. List the categories of instruments related to hygiene and which instruments apply.
5. Identify instruments used for supragingival scaling.
6. Describe and demonstrate fulcruming, lateral pressure, angulation, and strokes
7. Discuss prevention of cumulative trauma.
8. Demonstrate sharpening of curets and sickles.
Outcomes: The student will be able to competency perform supragingival instrumentation.
Objectives
1. Demonstrate the use of the ultrasonic scaler for supragingival debridement on a typodont and/or patient with a proficiency of 85% or better.
2. Demonstrate proper selection of instrument for supragingival scaling on a typodont and/or patient 85% or better.

Outcomes: The student will be able to competently perform coronal polishing.
Objectives
1. Discuss dentinal hypersensitivity and its relation to coronal polishing.
2. Discuss selective polishing.
3. List polishing devices.
4. Describe selection of prophy paste.
5. Demonstrate proper technique in coronal polishing with rubber cup and prophy jet.
Outcome: The student will be able to competently examine the periodontium using radiographs
Objectives
1. Discuss the basics of radiographs and exposure techniques.
2. Discuss radiation hygiene.
3. Demonstrate detection of periodontal disease on radiographs.

Appendix B

Course Schedule

Supragingival Scaling ONLINE				
Date Online	Topic	Assignments	Due Date	Chapter
Week 1 05/11/16	-Infection Control -Ergonomics	Quiz Discussions	See Calendar	DH – 4, 5, 6, 7
Week 2 05/16/16	-Documentation -Medical History -Vital Signs -Extra/Intraoral Examination	Quiz Discussions	See Calendar	DH – 9, 10, 11, 12
Week 3 05/23/16	-Radiology and the periodontium -Teeth and Morphology - Periodontology	Quiz Discussions	See Calendar	DH – 16, 18, 19, 20
Week 4 05/30/16	-Biofilm/caries -Calculus -Stain -Plaque Index -Dentin hypersensitivity -Polishing	MIDTERM in class Friday (Week 1-4) Quiz Discussions	See Calendar	DH – 15, 21, 22, 44, 45
Week 5 06/06/16	-Caries Prevention Toothbrushing -Interdental Aids -Dentifrice/rinses -Fluoride	Quiz Discussions	See Calendar	DH – 27, 28, 29, 30, 36
Week 6 06/13/16	-Tobacco -Dietary	Quiz Discussions	See Calendar	DH 34, 35
Week 7 06/20/16	No New Info!			
Week 8 06/27/16	Finals Week	Final (Comprehensive of both books)	See Calendar	N/A

Supragingival Scaling CLINICAL

Date Wed. and Fri.	Topic	Assignment	Comps/Due Date	Chapter
Week 1 05/11-13/16	-Infection Control -Ergonomics -Instrument grasp	Quiz	1. Handwashing/PPE 2. Dental Units 3. Treatment room prep/disinfect 4. Instrument Sterilization 5. Clinical Position: Mandibular Arch/Maxillary Arch (M2) 6. Instrument Grasp (M3)	PI - Mod 1 PI - Mod 2 PI - Mod 3
Week 2 05/18-20/16	-Vital signs -Mirror Usage	Quiz	1. Vital Signs 2. Extraoral Evaluation 3. Intraoral Evaluation 4. Mirror/Rests in the anterior sextants (M4&5) 5. Mirror/Rests in Mand. Post. Sextant (M4&6) 6. Mirror/Rests in Max. Post. Sextant (M4&7)	PI - Mod 4 PI - Mod 5 PI - Mod 6 PI - Mod 7
Week 3 05/25-27/16	e-Instrument Design -Instrument usage -Probing -Explorers	Quiz	1. Instrument Design (M8) 2. Movement (M9) 3. Adaptation (M10) 4. Strokes (M11) 5. Probing (M12) 6. Explorers (M13)	PI - Mod 8 PI - Mod 9 PI - Mod 10 PI - Mod 11 PI - Mod 12 PI - Mod 13
Week 4 06/01-03/16	-Sickles -Curettes/Gracey -Polishing	MIDTERM	1. Sickles (M14) 2. Curettes (M15) 3. Polishing (M28)	PI - Mod 14 PI - Mod 15 PI – Mod 28

Week 5 06/08-10/16	-Ultrasonic Instrumentation -Fluoride -Oral Hygiene Care	Quiz	1. Ultrasonic instrumentation (M26) 2. Fluoride 3. Oral Hygiene Instruction	PI – Mod 26
Week 6 06/15-17/16	-Instrument Sharpening -Dietary Education	Quiz	1. Instrument Sharpening (M23) 2. Provide dietary education	PI – Mod 23
Week 7 06/22-24/16				
Week 8 06/29-07/01/16	Final		Final Patient competency <ul style="list-style-type: none"> • Health history • Patient evaluation • Perio evaluation • Scale • Polish • Floss • FI2 application • Patient Education 	

PI=Fundamental of periodontal instrumentation book

DH – Clinical practice of the dental hygienist book

Instructors: Rachel Webb, RDH**Taylor Whetham, BSDH, RDH****Amanda Parsons, RDH****PREREQUISITES:** Must meet the eligibility requirements set by the Kansas Dental Board**STUDENT REQUIRED RESOURCES:** Reliable Internet Access**REFERENCE MATERIALS:**

PowerPoint Slides are provided online – materials are from various resources: Radiology– Iannucci & Howerton; Dental Radiography Principles & Techniques; Elsevier 5th ed. Bird, Doni L. & Robinson, Debbie S.; Modern Dental Assisting; Elsevier 12th ed.

Clinical Resources Text Materials – ProvidedWilkins, Esther M.; Clinical Practice of the Dental Hygiene; Elsevier 12th ed.Gehrig, Jill; Patient Assessment Tutorial; Walters Kluwer 4th ed.**Clinical Attire:**

Personal Protective Equipment: Safety Glasses
 Scrubs
 Lab Jacket or Gown
 Face Shield (optional)
 Gloves, high barrier masks, additional PPE prn provided

Instrumentation: Students must provide their own scalers for the course. Recommended: The instruments that will be available where you work/will work. Suggested: Sickles, Explorer.

Course Description: Students will perform according to safe and ethical standards of the dental profession. This course delivers the basic background for orientation of anatomical structures of the oral cavity, manifestations of oral plaque and calculus formations and how to properly remove through utilization of hand instruments as well as other scaling and cleaning devices. The student will complete the course at an 80% level or shall not receive certification as a scaling assistant. Completers of this course will follow all state laws and regulations according to the Kansas Dental Practice Act.

Course Competencies:

This course is a not for credit course and will not transfer to as continuing education credit. Upon completion of CED131 the student will:

Determine anatomical structures of the oral cavity:

1. Identify, by correct terminology, structures of the teeth and oral cavity
2. Identify teeth by name and number
3. Identify and describe the supporting tissues of the teeth
4. Describe the structure and composition of tooth tissues

Recognize the process of dental diseases:

1. Discuss the causative factors of dental disease
2. Discuss the formation of plaque, stains and calculus and their patterns of accumulation on teeth

3. Discuss etiological factors in periodontal disease
4. Discuss need for accurate medical and dental histories
5. Obtain medical and dental histories
6. perform charting of existing conditions of the oral cavity using standard notations

Describe nutritional and dental health educational needs

1. Describe the relationship of food and plaque to dental disease
2. Summarize the role of diet in prevention of oral diseases
3. Identify and discuss various types of oral hygiene aids
4. Demonstrate oral hygiene patient instruction
5. Identify the effects and benefits of fluoride
6. Demonstrate fluoride application

Demonstrate techniques in radiology

1. Describe how altering kVp, MA and time effects the density and contrast of dental radiographs
2. Discuss short-term and long-term effects of radiation exposure
3. Discuss dental radiation and exposure risks
4. Describe the basics of patient protection to radiation exposure
5. Demonstrate use of dental x-ray film holders and devices
6. Identify a diagnostic quality radiograph
7. Produce diagnostic radiographs

Demonstrate instrumentation required for visual access and removal of calculus and plaque.

1. Access all areas of the mouth with optimum vision while maintaining balanced posture and positioning
2. Stabilize an instrument to effectively perform instrumentation
3. Establish and maintain an appropriate fulcrum in all areas of the oral cavity
4. Identify instrument used in periodontal evaluations
5. Sharpen periodontal instruments in a manner that maintains original instrument design
6. Identify instruments used in periodontal debridement

Demonstrate supragingival scaling processes

1. Remove supragingival accretions with minimal tissue trauma using scalers and curettes
2. Compare and contrast the three types of strokes used during periodontal debridement
3. Demonstrate supragingival scaling using hygiene manikins and live patients
4. Demonstrate use of the ultrasonic scaler and prophylaxis jet to remove supragingival deposits and extrinsic stains

Demonstrate proper coronal polishing techniques

1. Discuss the therapeutic as well as the detrimental effects of rubber cup polishing
2. Demonstrate rubber cup polishing of all coronal surfaces
3. Discuss the philosophy of selective polishing

Recognize the various aspects of communication and risk management

1. Recognize and manage patient anxiety through communication
2. Identify the elements of effective communication
3. Define active listening

4. Discuss the role of education in promoting wellness
5. Demonstrate problem solving skills
6. Distinguish between practicing as a dental assistant and practicing dentistry
7. Differentiate between informed consent and implied consent
8. Identify the structure which governs the practice of dentistry
9. Discuss the function and components of the Kansas Dental Practice Act
10. Demonstrate infection control techniques according to OSHA and ADA guidelines

STUDENT EVALUATION / GRADING PROCEDURES

SPECIAL NOTATIONS: Students are responsible to check communication daily for any communications from the College and/or instructors.

Method of Instruction

This class contains online lectures and quizzes; successful completion of the online portion at 80% or higher must be achieved to be eligible to advance to the clinical portion of the course. Clinical portion includes skills and competency requirements.

To ensure success in this course it is highly recommended that you read all the power points and materials for each unit.

Students are evaluated based on knowledge and skills.

On-Line course portion: Must have reliable internet access – enrollees will be assigned a user name and password for access to Moodle on-line system. Didactic course work must be completed and passed at the 80% minimum over-all comprehensive score prior to admission to the clinical portion of the course.

Student Evaluation:

Students must complete the didactic portion of the course at 80% to be eligible to advance to the clinical portion. Evaluations are based on module testing and competencies provided. The clinical instructor will be responsible for student instruction of instrumentation and use of those materials. Upon completion of the course, each student is required to send a copy of their certification to the KDA.

Attendance & Makeup: Due to the nature of online course work – deadlines are set and will be followed. If a student does not complete course work prior to the deadlines the instructor **will not** extend opportunities to complete the work.

Standards & Measures: Dental Programs Advisory Committee, Kansas Dental Association and the American Dental Association, Accredited by the Commission on Dental Accreditation (CODA).

Dental Assistant Mission Statement: Graduates of the Dental Assisting department will participate in planned and supervised experiences directed toward teaching students to perform dental assisting techniques with precision, safety and efficiency. They will demonstrate assisting skills and integrate these skills into the total curriculum. Students will be active in team cooperation and develop skills to protect and care for patients during clinical application.

FHTC MISSION STATEMENT

The mission of Flint Hills Technical College, as an associate degree granting institution, is to provide a diverse community of learners with life-long educational opportunities for personal growth and preparation for professional and civic responsibilities that meet the needs of society.