STATE OF CALIFORNIA
DEPARTMENT OF CONSUMER AFFAIRS
STATE AND CONSUMER SERVICES AGENCY • GOVERNOR EDMUND G. BROWN JR.
Dental Board of California
2005 Evergreen Street, Suite 1550, Sacramento, California 95815
P (916) 263-2300 | F (916) 263-2140 | www.dbc.ca.gov

Please return one original and one copy of this application and required documents.

Receipt #: _____

File #: _____

APPLICATION FOR APPROVAL OF COURSE IN PIT AND FISSURE SEALANTS

$300 non-refundable application fee payable to Dental Board is required for processing.

When submitting this application, follow the enclosed regulations. All information requested on this application is required for approval.

Name of Applicant: _____

Business Name: _____

Address:_____

City, State, Zip: _____Telephone:_____

Type of Program: ___Community College ___Vocational Program ___Dental School
___ Private School ___ Other - specify: _____

Name of Course Director: _____Telephone: _____

Each Applicant must answer each question fully, and attach any required documents.

Failure to complete any portion of the application will significantly delay your course approval.

I certify under penalty of perjury under the laws of the State of California that the statements made on this application and the information provided are true and correct and that the attached pit and fissure course will be conducted in accordance with Title 16 of the California Code of Regulations Section 1070.3.

_____
Date

_____
Signature of person authorized to represent course

_____
Title

Educational Setting

1. Is the course established at the post-secondary educational level? _____

Prerequisites

Each student must possess the necessary requirements for application for RDA licensure or currently possess an RDA license. Each student must have already completed a Board-approved course in coronal polishing.

2. Does the facility have documentation on that each student has met the prerequisite requirements? _____

Administration/Faculty

The following adequate provision for the supervision and operation of the course shall be made.

The course director and each faculty member shall possess a valid, active, and current RDAEF, RDH, RDHEF, RDHAP, or dentist license issued by the Board, or an RDA license issued by the Board if the person has completed a Board-approved course in coronal polishing and the application of pit and fissure sealants. All faculty members shall have been licensed for a minimum of two years and shall have the education, background, and occupational experience and/or teaching expertise necessary to teach, place, and evaluate the application of pit and fissure sealants. All faculty members responsible for clinical evaluation shall have completed a two-hour methodology course in clinical evaluation.

The course director must have the education, background, and occupational experience necessary to understand and fulfill the course goals. He/she shall actively participate in and be responsible for the day-to-day administration of the course including the following:

- Provide daily guidance of didactic, laboratory and clinical assignments
- Maintain for a period of not less than 5 years:
  - Copies of curricula, course outlines, objectives, and grading criteria.
  - Copies of faculty credentials, licenses, and certifications.
  - Individual student records, including those necessary to establish satisfactory completion of the course.
- Inform the Board of any changes to the course content, physical facilities, and/or faculty, within 10 days of such changes.

3. Please provide a list of the names and license numbers of the proposed course director and all faculty members. Please include a curriculum vitae for each staff member as well.

Facility must have evidence of course completion of a 2-hour teaching methodology course for each faculty member, or if the faculty member has been an instructor of pit and fissure sealant application in the past, provide a description of such experience for consideration in lieu of the 2-hour course. Please provide a copy of the completion certificates with this application.

Length of Course

The program shall be of sufficient duration for the student to develop minimum competence in the application of pit and fissure sealants, but shall in no event be less than 16 clock hours, including at least 4 hours of didactic training, at least 4 hours of laboratory training, and at least 8 hours of clinical training.

4. Please provide an hour breakdown:

Didactic hours:_____ Laboratory hours:_____ Clinical hours:_____

Evidence of Completion

A certificate or other evidence of completion shall be issued to each student who successfully completes the course.

5. Please provide a copy of the certificate of completion that will be used.

Facilities and Resources

Facilities and class scheduling shall provide each student with sufficient opportunity, with instructor supervision, to develop minimum competency in applying pit and fissure sealants. Such facilities shall include safe, adequate and educationally conducive:

Lecture classrooms -Classroom size and equipment shall accommodate the number of students enrolled.

6. Please indicate the size of your lecture classroom(s)

Classroom Size _____ square feet

Operatories - Operatories shall be sufficient in number to allow a ratio of at least one operatory for every five students at any one time.

Each operatory shall replicate a modern dental office containing functional equipment including: a power-operated chair for treating patients in a supine position; operator and assistant stools; air-water syringe; adjustable light; oral evacuation equipment; work surface; hand-washing sink; curing light, and all other armamentarium required to instruct in the application of pit and fissure sealants.

7. Does each operatory meet the requirements listed above? _____

Each operatory must be of sufficient size to accommodate a practitioner, a student, an instructor, and a patient at one time.

8. Please indicate the size and quantity of operatories.

Operatory size _____ square feet
Number of operatories _____

Laboratories -The location and number of general use equipment shall assure that each student has the access necessary to develop minimum competency in the application of pit and fissure sealants. Protective eyewear is required for each student.

9. Will OSHA attire, and protective eyewear or shield for the curing light, be provided for each student?_____

Infection Control - The program shall establish written clinical and laboratory protocols to ensure adequate asepsis, infection and hazard control, and disposal of hazardous wastes, which shall comply with the board's regulations and other Federal, State, and local requirements. The program shall provide such protocols to all students, faculty, and appropriate staff to assure compliance with such protocols. Adequate space shall be provided for preparing and sterilizing all armamentarium.

10. Have all students, faculty and appropriate staff been provided written clinical and laboratory protocols to ensure adequate asepsis, infection and hazard control, and disposal of hazardous wastes, that complies with the board's regulations and other Federal, State, and local requirements? _____

Please provide a copy of the documentation provided to your students and staff.

Emergency Materials/Basic Life Support – A written policy on managing emergency situations must be made available to all students, faculty, and staff.

11. Has the written policy on managing emergency situations, been distributed to all students, faculty, and staff? _____

Please provide a copy of that policy with this application.

All students, faculty, and staff involved in the direct provision of patient care must be certified in basic life support procedures, including cardiopulmonary resuscitation. Re-certification intervals may not exceed two years.

The program must document, monitor, and ensure compliance by such students, faculty, and staff.

Please provide a copy of all faculty's CPR certification.

Program Content - Sufficient time shall be available for all students to obtain laboratory and clinical experience to achieve minimum competence in the various protocols used in the application of pit and fissure sealants.

12. Please provide a detailed course outline that clearly states the curriculum subject matter and specific instruction hours in the individual areas of didactic, laboratory, and clinical instruction.

    The theoretical aspects of the program shall provide the content necessary for students to make judgments regarding the application of pit and fissure sealants. The course shall assure that students who successfully complete the course can apply pit and fissure sealants with minimum competence.

13. Please provide the general program objectives and specific instructional unit objectives, and include theoretical aspects of each subject as well as practical application.

    Students shall be provided with specific unit objectives and the evaluation criteria that will be used for all aspects of the curriculum including written and practical examinations. The program shall establish a standard of performance that states the minimum number of satisfactory performances that are required for each procedure.

14. Please provide the objective evaluation criteria to be used for measuring student progress toward attainment of specific course objectives.

    Areas of instruction shall include at least the following as they relate to pit and fissure sealants:

Dental Science - Oral Anatomy, Histology, Physiology, Oral Pathology, Normal/Abnormal Anatomical and Physiological Tooth Descriptions
Morphology and Microbiology
Dental Materials and Pharmacology
Sealant Basics
Legal requirements
Description and goals of sealants
Indications and contraindications
Role in preventive programs
Sealant Materials
Etchant and/or etchant/bond combination material composition, process, storage and handling
Sealant material composition, polymerization type, process, storage and handling
Armamentaria for etching and sealant application
Problem solving for etchant and sealant material placement/manipulation
Sealant Criteria
Areas of application
Patient selection factors
Other indication factors
Preparation Factors
Moisture control protocol
Tooth/teeth preparation procedures prior to etching or etchant/bond
Acid Etching or Etchant/Bond Combination
Material preparation
Application areas
Application time factors
Armamentaria

Procedure
Etchant or etchant/bond evaluation criteria

Sealant Application

Application areas
Application time factors
Armamentaria
Procedure for chemical cure and light cure techniques
Sealant evaluation criteria
Sealant adjustment techniques
Infection control protocol
Clinical re-call re-evaluation protocols

There shall be no more than 14 students per instructor during laboratory instruction. Laboratory instruction may be conducted on a typodont, a simulated model, and/or mounted extracted teeth. Sufficient time shall be available for all students to obtain laboratory experience to achieve minimum competence in pit and fissure sealant application prior to the performance of procedures on patients.

Clinical instruction shall be of sufficient duration to allow the procedures to be performed to clinical proficiency. There shall be no more than 6 students per instructor during clinical instruction. Clinical instruction shall include clinical experience on four patients with two of the four patients used for the clinical examination. Each clinical patient must have a minimum of four (4) virgin, non-restored, natural teeth, sufficiently erupted so that a dry field can be maintained, for application of the etching, or etchant/bond combination, and sealant materials. Such clinical instruction shall include teeth in all four quadrants for each patient.

15. Please specify the type of equipment to be used and how it has been adapted and/or prepared to be used in the application of pit and fissure sealants. (typodont, simulated model, and/or mounted extracted teeth)

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16. Will clinical instruction include clinical experience on four patients with two of the four patients used for the clinical examination? _____

17. Please provide a description of how the clinical experience on two practice patients will be conducted, including patient selection criteria, application sites, timeframe for performance, and the procedure followed when grading patients.

18. Please provide a description of the protocol to be followed when a student does not achieve minimum competency on these two clinical practice experiences.

    Each clinical patient shall have a minimum of four (4) virgin, non-restored, natural teeth, sufficiently erupted so that a dry field can be maintained, for application of the etching, or etchant/bond combination, and sealant materials. Clinical instruction shall include teeth in all four quadrants for each patient.

Externship Instruction - If an extramural clinical facility is utilized, students shall, as part of an organized program of instruction, be provided with planned, supervised clinical instruction in the application of pit and fissure sealants.

- The program director/coordinator or a dental faculty member shall be responsible for selecting extern clinical sites and evaluating student competence in performing procedures both before and after the clinical assignment.

19. Please provide a description of how the clinical sites will be selected and how student competence will be evaluated.

- Objective evaluation criteria shall be used by the program faculty and clinic personnel.

20. Please provide a description of the objective evaluation criteria that will be used by the extramural clinical program faculty and clinic personnel.

- Dentists who intend to provide extramural clinical practices shall be oriented by the program director/coordinator or a dental faculty member prior to the student assignment.

  Orientation shall include the objectives of the course, the preparation the student has had for the clinical assignment, and a review of procedures and criteria to be used by the dentist in evaluating the student during the assignment.

Please provide a copy of the orientation packet.

- There shall be a written contract of affiliation with each extramural clinical facility utilized by the program. Such contract shall describe the settings in which the clinical training will be received, affirm that the clinical facility has the necessary equipment and armamentarium appropriate for the procedures to be performed, and affirm that such equipment and armamentarium are in safe operating condition.

  Please provide a copy of the contracts for each extramural clinical facility utilized by the program, describing the settings in which the clinical training will be received, affirming that the clinical facility has the necessary equipment and armamentarium appropriate for the procedures to be performed, and that such equipment and armamentarium are in safe operating condition.

Evaluation and Examination - Upon completion of the course, each student must be able to:

- Identify the major characteristics of oral anatomy, histology, physiology, oral pathology, normal/abnormal anatomical and physiological tooth descriptions, morphology and microbiology as they relate to pit and fissure application.
- Explain the procedure to patients.
- Recognize decalcification, caries and fracture lines.
- Identify the indications and contraindications for sealants.
- Identify the characteristics of self-curing and light cured sealant material.
- Define the appropriate patient selection factors and indication factors for sealant application.
- Utilize proper armamentaria in an organized sequence.
- Maintain appropriate moisture control protocol before and during application of etchant and sealant material.
- Demonstrate the proper technique for teeth preparation prior to etching.
- Select and dispense the proper amount of etchant and sealant material.
- Demonstrate the proper techniques for application of the etchant and sealant material.
- Implement problem solving techniques associated with pit and fissure sealants.
- Evaluate the etchant and sealant placement techniques according to appropriate criteria.
- Check the occlusion and proximal contact for appropriate placement techniques.
- Adjust occlusion and evaluate or correct proximal area(s) when indicated.
- Maintain aseptic techniques including disposal of contaminated material.

  Each student shall pass a written examination that reflects the entire curriculum content.

  Each student shall pass a clinical examination in which the student successfully completes the application of pit and fissure sealants on two of the four clinical patients required for clinical instruction. The examination shall include teeth in all four quadrants.

Each student is required to pass a written examination that reflects the entire curriculum content.

PIT AND FISSURE COURSE REGULATIONS

Includes Changes Through January 1, 2006

Article 2 Educational Programs

1070.3 Approval of Pit and Fissure Sealant Courses.

The following minimum criteria shall be met for a course in the application of pit and fissure sealants to secure and maintain approval by the Board.

(a) Educational Setting. The course shall be established at the post-secondary educational level.

(b) Prerequisites. Each student must possess the necessary requirements for application for RDA licensure or currently possess an RDA license. Each student must have already completed a Board-approved course in coronal polishing.

(c) Administration/Faculty. Adequate provision for the supervision and operation of the course shall be made.

(1) The course director and each faculty member shall possess a valid, active, and current RDAEF, RDH, RDHEF, RDHAP, or dentist license issued by the Board, or an RDA license issued by the Board if the person has completed Board-approved courses in coronal polishing and the application of pit and fissure sealants. All faculty shall have been licensed for a minimum of two years. All faculty shall have the education, background, and occupational experience and/or teaching expertise necessary to teach, place, and evaluate the application of pit and fissure sealants. All faculty responsible for clinical evaluation shall have completed a two hour methodology course in clinical evaluation.

(2) The course director must have the education, background, and occupational experience necessary to understand and fulfill the course goals. He/she shall actively participate in and be responsible for the day-to-day administration of the course including the following:

(A) Providing daily guidance of didactic, laboratory and clinical assignments.

(B) Maintaining for a period of not less than 5 years:

(1) Copies of curricula, course outlines, objectives, and grading criteria.

(2) Copies of faculty credentials, licenses, and certifications**.**

(3) Individual student records, including those necessary to establish satisfactory completion of the course.

(C) Informing the Board of any changes to the course content, physical facilities, and/or faculty, within 10 days of such changes.

(d) Length of Course. The program shall be of sufficient duration for the student to develop minimum competence in the application of pit and fissure sealants, but shall in no event be less than 16 clock hours, including at least 4 hours of didactic training, at least 4 hours of laboratory training, and at least 8 hours of clinical training.

(e) Evidence of Completion. A certificate or other evidence of completion shall be issued to each student who successfully completes the course.

(f) Facilities and Resources. Facilities and class scheduling shall provide each student with sufficient opportunity, with instructor supervision, to develop minimum competency in applying pit and fissure sealants. Such facilities shall include safe, adequate and educationally conducive:

(1) Lecture classrooms. Classroom size and equipment shall accommodate the number of students enrolled.

(2) Operatories. Operatories shall be sufficient in number to allow a ratio of at least one operatory for every five students at any one time.

(A) Each operatory shall replicate a modern dental office containing functional equipment including: a power-operated chair for treating patients in a supine position; operator and assistant stools; air-water syringe; adjustable light; oral evacuation equipment; work surface; hand-washing sink; curing light, and all other armamentarium required to instruct in the application of pit and fissure sealants.

(B) Each operatory must be of sufficient size to accommodate a practitioner, a student, an instructor, and a patient at one time.

(3) Laboratories. The location and number of general use equipment shall assure that each student has the access necessary to develop minimum competency in the application of pit and fissure sealants. Protective eyewear is required for each student.

(4) Infection Control. The program shall establish written clinical and laboratory protocols to ensure adequate asepsis, infection and hazard control, and disposal of hazardous wastes, which shall comply with the board's regulations and other Federal, State, and local requirements. The program shall provide such protocols to all students, faculty, and appropriate staff to assure compliance with such protocols. Adequate space shall be provided for preparing and sterilizing all armamentarium.

(5) Emergency Materials/Basic Life Support.

(A) A written policy on managing emergency situations must be made available to all students, faculty, and staff.

(B) All students, faculty, and staff involved in the direct provision of patient care must be certified in basic life support procedures, including cardiopulmonary resuscitation. Re-certification intervals may not exceed two years. The program must document, monitor, and ensure compliance by such students, faculty, and staff.

(g) Program Content.

(1) Sufficient time shall be available for all students to obtain laboratory and clinical experience to achieve minimum competence in the various protocols used in the application of pit and fissure sealants.

(2) A detailed course outline shall be provided to the board which clearly states curriculum subject matter and specific instruction hours in the individual areas of didactic, laboratory, and clinical instruction.

(3) General program objectives and specific instructional unit objectives shall be stated in writing, and shall include theoretical aspects of each subject as well as practical application. The theoretical aspects of the program shall provide the content necessary for students to make judgments regarding the application of pit and fissure sealants. The course shall assure that students who successfully complete the course can apply pit and fissure sealants with minimum competence.

(4) Objective evaluation criteria shall be used for measuring student progress toward attainment of specific course objectives. Students shall be provided with specific unit objectives and the evaluation criteria that will be used for all aspects of the curriculum including written and practical examinations. The program shall establish a standard of performance that states the minimum number of satisfactory performances that are required for each procedure.

(5) Areas of instruction shall include at least the following as they relate to pit and fissure sealants:

(A) Dental Science - Oral Anatomy, Histology, Physiology, Oral Pathology, Normal/Abnormal Anatomical and Physiological Tooth Descriptions

(B) Morphology and Microbiology

(C) Dental Materials and Pharmacology

(D) Sealant Basics

i. Legal requirements

ii. Description and goals of sealants

iii. Indications and contraindications

iv. Role in preventive programs

(E) Sealant Materials

i. Etchant and/or etchant/bond combination material composition, process, storage and handling

ii. Sealant material composition, polymerization type, process, storage and handling

iii. Armamentaria for etching and sealant application

iv. Problem solving for etchant and sealant material placement/manipulation

(F) Sealant Criteria

i. Areas of application

ii. Patient selection factors

iii. Other indication factors

(G) Preparation Factors

i. Moisture control protocol

ii. Tooth/teeth preparation procedures prior to etching or etchant/bond

(H) Acid Etching or Etchant/Bond Combination

i. Material preparation

ii. Application areas

iii. Application time factors

iv. Armamentaria

v. Procedure

vi. Etchant or etchant/bond evaluation criteria

(I) Sealant Application

i. Application areas

ii. Application time factors

iii. Armamentaria

iv. Procedure for chemical cure and light cure techniques

v. Sealant evaluation criteria

vi. Sealant adjustment techniques

(J) Infection control protocol

(K) Clinical re-call re-evaluation protocols

(6) There shall be no more than 14 students per instructor during laboratory instruction. Laboratory instruction may be

conducted on a typodont, a simulated model, and/or mounted extracted teeth. Sufficient time shall be available for all students to obtain laboratory experience to achieve minimum competence in pit and fissure sealant application prior to the performance of procedures on patients.

(7) Clinical instruction shall be of sufficient duration to allow the procedures to be performed to clinical proficiency. There shall be no more than 6 students per instructor during clinical instruction. Clinical instruction shall include clinical experience on four patients with two of the four patients used for the clinical examination. Each clinical patient must have a minimum of four (4) virgin, non-restored, natural teeth, sufficiently erupted so that a dry field can be maintained, for application of the etching, or etchant/bond combination, and sealant materials. Such clinical instruction shall include teeth in all four quadrants for each patient.

(h) Externship Instruction.

(1) If an extramural clinical facility is utilized, students shall, as part of an organized program of instruction, be provided with planned, supervised clinical instruction in the application of pit and fissure sealants.

(2) The program director/coordinator or a dental faculty member shall be responsible for selecting extern clinical sites and evaluating student competence in performing procedures both before and after the clinical assignment.

(3) Objective evaluation criteria shall be used by the program faculty and clinic personnel.

(4) Dentists who intend to provide extramural clinical practices shall be oriented by the program director/coordinator or a dental faculty member prior to the student assignment. Orientation shall include the objectives of the course, the preparation the student has had for the clinical assignment, and a review of procedures and criteria to be used by the dentist in evaluating the student during the assignment.

(5) There shall be a written contract of affiliation with each extramural clinical facility utilized by the program. Such contract shall describe the settings in which the clinical training will be received, affirm that the clinical facility has the necessary equipment and armamentarium appropriate for the procedures to be performed, and affirm that such equipment and armamentarium are in safe operating condition.

(i) Evaluation and Examination.

(1) Upon completion of the course, each student must be able to:

(A) Identify the major characteristics of oral anatomy, histology, physiology, oral pathology, normal/abnormal anatomical and physiological tooth descriptions, morphology and microbiology as they relate to pit and fissure application.

(B) Explain the procedure to patients.

(C) Recognize decalcification, caries and fracture lines.

(D) Identify the indications and contraindications for sealants.

(E) Identify the characteristics of self curing and light cured sealant material.

(F) Define the appropriate patient selection factors and indication factors for sealant application.

(G) Utilize proper armamentaria in an organized sequence.

(H) Maintain appropriate moisture control protocol before and during application of etchant and sealant material.

(I) Demonstrate the proper technique for teeth preparation prior to etching.

(J) Select and dispense the proper amount of etchant and sealant material.

(K) Demonstrate the proper techniques for application of the etchant and sealant material.

(L) Implement problem solving techniques associated with pit and fissure sealants.

(M) Evaluate the etchant and sealant placement techniques according to appropriate criteria.

(N) Check the occlusion and proximal contact for appropriate placement techniques.

(O) Adjust occlusion and evaluate or correct proximal area(s) when indicated.

(P) Maintain aseptic techniques including disposal of contaminated material.

(2) Each student shall pass a written examination which reflects the entire curriculum content.

(3) Each student shall pass a clinical examination in which the student successfully completes the application of pit and fissure sealants on two of the four clinical patients required for clinical instruction. The examination shall include teeth in all four quadrants.

Note: Authority cited: Section 1614, Business and Professions Code. Reference: Section 1754, Business and Professions Code.. Operative 5-28-05