Course Description:
Comprehensive clinical training in restorative dentistry procedures, including diagnostics, treatment planning to include multidisciplinary patient care, operative dentistry, implant procedures, fixed prosthodontics, applied dental materials, occlusion, and laboratory communication. This course includes the last 3 academic quarters, as part of a 7 quarter clinical curriculum.

Educational Goals/Objectives:
The student will gain additional knowledge and experience about the management and restoration of diseased teeth, defective/failing restorations and missing teeth as they are related to the patient’s overall dental health care. The student will develop more complex treatment plans that will address the comprehensive, multi-disciplinary dental health care needs of the patient, and be able to provide treatment alternatives. Decisions should be made based upon the practice of “evidence-based” dentistry. Treatment plans must address primary concerns of the patient, follow ethical standards of care, and consider the cultural diversity of patient populations.
The course objectives are for the student to be able to: (1) diagnose and treat dental caries and related periodontal disease, that affect the overall health of the dentition and general health of the patient; (2) identify failing restorations which require replacement, repair or modification, and determine the restorability of diseased teeth; (3) prepare teeth for appropriate operative procedures and restoration with appropriate materials and techniques, satisfying esthetics, physiologic health, longevity, and function, (4) prepare teeth, take impressions, communicate with laboratories, and place appropriate crown and fixed prosthodontic restorations in order to satisfy esthetics, longevity, physiologic health and function, (5) diagnose occlusal discrepancies and perform appropriate occlusal treatment, (6) have experience with both the planning and restoration of dental implant patients.
The student is expected to develop professional communication skills and to deliver comprehensive dental care for patients to include preventive measures. Communication skills must include listening to patient concerns, discussing fees, presenting alternatives, and formulating treatment plans that meet patients’ needs, desires and financial resources. The student should advance in his/her clinical skills toward meeting these objectives and to improve his/her capability of working independently. In all things, the student must demonstrate the performance of ethical patient management and quality clinical performance.

Course Outline
Students are blocked into the restorative clinic 4 times per week, at various times during the week, and throughout the year. Three out of the four session should be devoted to restorative procedures while one session should be devoted to Removable Prosthodontics. Students have the opportunity to request additional sessions when they are not blocked into another department, and there is available faculty.

Course Expectations:
There are no quantitative requirements for specific procedures (no specific number of crowns or fillings, etc.), but there are requirements for the point accumulation all procedures combined. Patients are to be treated comprehensively, following an approved, logically sequenced plan, and depending upon their particular needs, desires, and financial resources.
Quarterly and cumulative requirements are provided for attendance, faculty grades and procedural points. These requirements will generally be met through a combination of comprehensive patient care and efficient use of clinic sessions. Effective communication skills and patient management are essential for success. Satisfactory completion of this course may still be attained if it can be documented that the student’s patient pool is deficient, and if Faculty Advisors conclude that the student is otherwise progressing satisfactorily. All procedures completed during the 3rd year will be credited toward 4th year requirements.

### Competencies Addressed/Assurance of Competencies:

<table>
<thead>
<tr>
<th>UW SOD Comp. #</th>
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<th>Assurance of Competency</th>
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<tbody>
<tr>
<td>2</td>
<td>Communicate the risks and benefits of proposed care and alternate treatment strategies available, and then obtain expressed consent for treatment conveyed by a patient or legal guardian.</td>
<td>Comprehensive clinical examination. Restorative Dentistry Advisor System. Treatment planing presentation.</td>
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<tr>
<td>3</td>
<td>Formulate a comprehensive treatment plan based on diagnostic findings, then implement treatment in a safe, properly sequenced treatment plan.</td>
<td>Comprehensive clinical examination. Restorative Dentistry Advisor System. Treatment planing presentation.</td>
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<tr>
<td>4</td>
<td>Provide patient education in prevention of oral diseases to promote oral and general health.</td>
<td>Initial examination, and throughout subsequent appointments</td>
</tr>
<tr>
<td>5</td>
<td>Recognize the limits of their expertise and seek consultation with other health care providers to facilitate patient care.</td>
<td>Comprehensive clinical examination. Restorative Dentistry Advisor System. Treatment planing presentation, including referrals electronically through axiUm system.</td>
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<tr>
<td>10</td>
<td>Prescribe and administer pharmacological agents for patient care.</td>
<td>Students write all prescriptions, then signed by faculty</td>
</tr>
<tr>
<td>11</td>
<td>Diagnose and manage hard and soft tissue lesions and diseases of the orofacial complex.</td>
<td>Comprehensive clinical examination. Restorative Dentistry Advisor System. Treatment planing presentation, including referrals electronically through axiUm system.</td>
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<tr>
<td>13</td>
<td>Assess the dentition to determine the need for orthodontic treatment.</td>
<td>Comprehensive clinical examination. Restorative Dentistry Advisor System. Treatment planing presentation, including referrals electronically through axiUm system.</td>
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<tr>
<td>14</td>
<td>Manage periodontal diseases.</td>
<td>Comprehensive clinical examination to include periodontal charting and assessment by periodontal faculty. Treatment planing presentation, including referrals electronically through axiUm system.</td>
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<tr>
<td>15</td>
<td>Assess the teeth and supporting structures and provide preventive services.</td>
<td>Comprehensive clinical examination to include periodontal charting and assessment by periodontal faculty. Visual assessment at each subsequent appointment. Periodic prophylaxes.</td>
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<tr>
<td>16</td>
<td>Manage diseases and conditions of the teeth.</td>
<td>Comprehensive clinical treatment based upon approved treatment plan. Clinical competency exams include: Class 2 composite; Class 2 amalgam; Class 3 composite; gold or PFM crown.</td>
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<tr>
<td>17</td>
<td>Manage replacement of teeth for the partially or completely edentulous patient.</td>
<td>Comprehensive clinical competency exam include: gold or PFM crown. Pre-Clinical Competency Exam.</td>
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<tr>
<td>23</td>
<td>Apply the principles of behavioral science that pertain to patient centered oral health care.</td>
<td>Comprehensive clinical examination. Restorative Dentistry Advisor System. Treatment planing presentation.</td>
</tr>
<tr>
<td>25</td>
<td>Manage a diverse patient population and have the interpersonal and commutuation skills to function successfully in a multicultural work environment.</td>
<td>Students treat a diverse population of patients in a comprehensive manner. (Racially, Ethnically, Age, Health, gender, Socio-economic status). Faculty and staff also a diverse population.</td>
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</table>
Five Clinical Competency Examinations must be successfully completed before graduation. Detail will be published separately from this syllabus. (Class 2 amalgam; Class 2 composite; Class 3 composite; single unit gold or PFM crown; and Treatment Planning). The amalgam and composite examinations, and the Treatment Planning Examination may be attempted starting in Spring Quarter of the 3rd year. The crown examination may also be attempted in Spring Quarter, but only after at least five crown units have been inserted. At least two of the examinations must be successfully completed by the end of Summer Quarter, or a grade of “Incomplete(I)” will be given for ResD 635. Completion of the requirement will be expected not later than the end of Autumn Quarter (ResD 640). Amalgam and both composite examinations must be completed before approval early in Spring Quarter for application for WREB examinations. Extramural rotation will not be permitted until Summer Quarter, and after the Treatment Planning, Amalgam, and one of the two Composite examinations have been successfully completed.

RIDE Students: (Competency Examination requirements yet to be determined).

Session Information:
Attendance. Students will be assigned a total of approximately 40 (possibly only 30) clinical “restorative” sessions during Summer Quarter. One session each week should be utilized for Removable Prosthodontic procedures. The remaining majority should be utilized for Restorative Dentistry 635 procedures. Some variation will occur due to holidays and other possible clinical and extramural rotations. Students are blocked into the restorative clinic at various times during the week and have the opportunity to request additional sessions depending upon the availability of time and clinical supervision. Two missed sessions each quarter are allowed without penalty, but cannot be credited toward other quarters. Attendance at 90% of available blocked sessions will be considered to be a minimally acceptable grade each quarter and for the final grade year at the end of Spring Quarter. An average less than 85% will result in a grade of Incomplete (I).

Method of Evaluation:
The grade for this course will be given at the end of Spring Quarter. Performance is evaluated by clinical instructors, Restorative Advisors and by the Course Director. The final grade is a composite of Attendance, Faculty Grades, and Procedural Points.

The Daily Faculty Grade will be recorded for all procedures accomplished during a clinic session, and placed into axiUm. Faculty are asked to complete written comments that should describe exceptional performance or unacceptable performance. Procedures will be evaluated on the numeric scale of:
4 = 96% = Honors.
3 = 88% = Highly Successful
2 = 82% = Minimally Successful.
0 = 60% = Unsatisfactory

Less than 82% will be considered to be a deficient grade for clinical patient care. (Students will be provided with a complete description of grading separately.) Grading results are available for students in the axiUm Personal Planner, and a quarterly report will be given.
Restorative Points are awarded for all procedures recorded in Blue and Gold Progress Books, and should be submitted in a timely manner in order to receive credit. Most CDT/ADA procedure codes will be given a point value. Some other procedures (UW codes) will also be given a point value. The requirements for restorative points are based upon historical data (provided separately).

ResD 635 historical class average = 500 points  
Total 4th year historical class average = 3800 points  
Minimum expected performance (80% of class average ResD 635) = 400 points  
Unsatisfactory performance (70% of class average ResD 635) < 350 points  
“General Points” are limited to a total of 1000 points (250 pts. / quarter, ResD 630/635).

The Course Director’s Evaluation component of the final yearly grade is based upon multiple factors. It may include: office consultations with students, reports from Faculty Advisors, general observations of students in the clinic, and discussions with other faculty and staff members. In addition, it also includes student progress during the entire 3rd clinical year; professional conduct and appearance; chart notes and financial records completion; adherence to established clinic policies to include clinic hours; responsiveness to suggestions and general attitude. In all matters, it is expected the students demonstrate the highest ethical standards and optimal patient care.

Examination/Grading Policies:
Students will be given a progress report at the end of each quarter. The Course Director will provide quarterly information to the Student Progress Committee regarding any student(s) demonstrating deficiencies. A course grade for ResD 635 will be given at the end of Summer Quarter based upon a composite of the following four factors:

1. Clinic Sessions (attendance): 10% (ResD 635 only)  
2. Restorative Points (quantitative): 40% (ResD 630, 635 cumulative)  
3. Daily Faculty Grade (qualitative): 40% (ResD 635 only) AxiUm  
4. Course Director Evaluation: 10% (ResD 635 only)

A grade of “Incomplete” will be given for ResD 635 at the end of Summer Quarter if any one of the five standards is not met:
- Point Value less than 350 and/or cumulative point value of 1450 points  
- Faculty grade average less than 82%  
- Attendance less than 85% of the available blocked sessions.  
- Unfavorable Course Director Evaluation

Media:
- RD 530/531 Syllabus – “Fixed Prosthodontics Clinical Syllabus”  
- Clinical Competency Examination Manual  
- RD 630/640 M. Warnick “Laboratory Utilization on Communication Manual”  
- RD 630/640 G. Johnson “Restorative Clinical Reference”  
- Suggested Textbooks for reference:  
  - The Restorative Perspective: Putting Concepts into Practice by Dr. Raidgrodski. Quintessence  
  - Wheeler’s Dental Anatomy Physiology and Occlusion. Saunders
RESD 635: Clinical Restorative Dentistry
Summer 2015
Course Director: E. R. Schwedhelm, DDS, MSD
3 Credits

- Fundamentals in Implant Dentistry, G. Byrne. Wiley Blackwell
- Removable Partial Dentures, A clinical guide by Jones. Wiley Blackwell
- Prosthodontic Treatment for Edentulous Patients by Zarp. Mosby

Course Contact Information:
Course Director: E. Ricardo Schwedhelm, DDS, MSD
Office: Room # D767D 206-543-5948
erschwe@uw.edu
Office Hours: Posted in hallway outside of office (hours vary).
Walk in. No appointment needed, but can be scheduled.