Course Description:
This course represents the direct clinical application of principles of orthodontic diagnosis in the selection of cases for simple orthodontic appliances suitable for the general dental practice versus those that require referral to the specialist. This course consists of one scheduled small group seminar directed by a 2nd year orthodontics graduate student.
*These block assignments are scheduled multiple quarters (A-W) during 3rd year. Students are enrolled in groups of 5–7.

Educational Goals/Objectives:
The student will be able to make an orthodontic problem list for selected patients in their pool of patients. The student will be able to distinguish between orthodontic patients who are suitable for limited orthodontic treatment in general dental practice or referral to an orthodontist.

Course Requirements:
Attend assigned sessions. Independently diagnose a case and present an orthodontic problem list to orthodontic graduate students and classmates. Decide if the case is appropriate for general practice or requires referral.

Competencies Addressed/Assurance of Competencies:

<table>
<thead>
<tr>
<th>UW SoD Comp. #</th>
<th>UW SoD Competency</th>
<th>Assurance of Competency</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>Assess the dentition to determine the need for orthodontic treatment.</td>
<td>Independent case analysis and diagnosis</td>
</tr>
</tbody>
</table>

Session Information:
Students are assigned to groups of 5–7 during either Autumn or Winter quarter.

Method of Evaluation:
- Pass, Fail, High Pass, or Honors
- The orthodontic graduate student will do the evaluation
- Grades will be based on the correctness of the diagnosis & plan and class participation
- The orthodontic graduate student will submit grade sheets (last page of Diagnosis and Planning forms) to the course director after each discussion session

Examination/Grading Policies:
Attendance at seminar and acceptable presentation of a case is mandatory. If performance is outstanding, students are eligible for High Pass or Honors. Non-attendance to your session or poor preparation will require a make-up session. Repeated non-attendance or poor preparation will result in course failure. Upon seminar completion, you must take and pass the online orthodontics competency exam.

Course Contact Information:
Department of Orthodontics, Box 357446, 543-5788
Website: https://catalyst.uw.edu/workspace/geoffg/24131/
Instructions:

- Format: Small group seminars
- 5-7 undergraduate dental students will be assigned to one 2ND year orthodontic graduate student.
- Each group of students will be required to attend one seminar during this period. Seminars will meet for 2-3 hours in the graduate clinic conference room or other convenient locations.
- Prior to the seminar, each dental student will
  - Select one patient from their assigned patients with an orthodontic problem [note that you should not select a classmate for analysis.]
  - Prepare an orthodontic problem list on the attached form
  - Collect limited records (relevant radiographs, diagnostic casts [rough trim is ok], intra- and extra-oral photographs)
  - Put the records together as a short slide presentation (see website for template)
  - Decide if the problem is suitable for treatment in general practice or referral
- At the seminar session, each dental student will
  - Project a slide presentation with case photos & radiographic records.
  - Circulate study models.
  - Describe the problems systematically using planes of space and orthodontic diagnostic techniques.
  - Describe the probable goals of treatment.
  - Offer an opinion regarding the most appropriate approach to the management of the patient.
  - Sketch out the appliances to be used, course of treatment, and approximate timeline
  - Turn in completed Diagnosis and Planning form and a printed copy of the patient presentation to the seminar leader (make sure your name is on each page).
- After the seminar, the student will
  - Consult with the patient regarding the recommendations from the conference. We anticipate that most of these patient will not elect to have orthodontic treatment, but some may be referred for full treatment in the graduate program or have minor tooth movement done by an undergraduate dental student as part of the new ORTHO 631 course.
  - Take the Orthodontics Competency exam (online—link through from the Ortho 630 website)
ORTH 630: PRE-DOCTORAL ORTHODONTIC DIAGNOSIS & PLANNING FORM

Chief Complaint:

Health History:

Facial Pattern:

- **Profile:** convex WNL concave
  - *Nasolabial Angle:* acute WNL obtuse
  - *Labiomental fold:* acute WNL obtuse
- **Chin:** weak normal excessive
- **Lips:** thin WNL protrusive
- **Frontal Symmetry:** symmetric asymmetric

Teeth Present *(list in Palmer notation)*:

| R | L |

Antero-Posterior Relationship:

- **Angle’s Classification**:

<table>
<thead>
<tr>
<th>Molar Class</th>
<th>Right</th>
<th>Left</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>III</td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Canine Class</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>III</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Overjet (mm)</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Excessive</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Negative</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Overall Angle’s class:** *[i.e. Class II, div. 2]*
Arch Asymmetry?: maxilla mandible none

Anterior Crossbites?: (list in Palmer)

Vertical Relationship:
- Overbite: _____ mm
- Curve of Spee (mandibular cast): mild moderate severe
- Open Bite present?: no tendency yes

Transverse Relationship:
- Midlines: on off
  - Maxilla: on ___ mm R L
  - Mandible: on ___ mm R L
- Posterior Crossbites: (list in Palmer)

Arch Perimeter/Dentition:

<table>
<thead>
<tr>
<th>Space Assessment</th>
<th>Maxillary</th>
<th>Mandibular</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adequate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Excess (mm)</td>
<td></td>
<td></td>
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<tr>
<td>Deficient (mm)</td>
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</tbody>
</table>

Bolton Analysis Results (if needed):

- Missing:
  
  R | L

- Rotated:
  
  R | L
• **Caries**: (clinical or radiographic)
  
  R ___________ L

**Occlusion:**

  • **CR/CO Discrepancy**: no yes (see below)

  \[\text{Shift:}\]
  \[-A/P:\]
  \[-Vertical:\]
  \[-Transverse:\]

**Growth Expected:** no minimal yes

**Soft Tissue/Hygiene:**

  • **Hygiene**: WNL mild inflam moderate inflam severe inflam

  • **Frenum Problems**: none yes/location:

  • **Attached Gingiva**: WNL minimal absent where?:

**Habits:**

  • **Thumb/Finger Sucking**: none yes

  • **Bruxism/Clenching**: no yes

**Behavior/Attitude:** good neutral poor
Student Name

Patient Name

Seminar Date

Orthodontic Graduate Student

Treatment Objectives

Facial:
- Profile:
- 
- 

Skeletal:
- Maxilla:
- Mandible:
- 

Dental:
- 
- 
- 
- 
- 

Functional/Occlusion:
- 

Other:
- 

Treatment Approach

No Treatment  
Refer to Orthodontist  
Treat in general practice

Treatment Plan/Appliance

1. Appliance:
2. 
3. 
4. 
5. 
6. 
7. 
8.
(remove this page and give it to the seminar leader)

**Ortho 630 Grade**

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Fail</th>
<th>Pass</th>
<th>High Pass</th>
<th>Honors</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Quality of Records</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
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<tr>
<td>2. Diagnosis</td>
<td>☐</td>
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<td>☐</td>
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<tr>
<td>3. Rationale for treatment options</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
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<tr>
<td>4. Thought Process</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
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<tr>
<td>5. Presentation</td>
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<tr>
<td>6. Professionalism</td>
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</tbody>
</table>

**Overall Grade:**

- **Honors** ☐
- **High Pass** ☐
- **Pass** ☐
- **Fail** ☐

**Rationale:**

- ☐
Ortho 630 seminar
2:00–4:50pm
Location noted for each seminar

WEEK 7
Monday, November 4th
T-530 (Health Sciences breakout room)
Ortho resident: Dr. Soleil Roberts (Team 1)
1. Hyatt, Halee
2. Kalvish, Gennadiy
3. Kim, Jane
4. King, Landon
5. Lasley, Cameron
6. Tiffin, Jackie
7. Zemplenyi, Karen

Thursday, November 7th
B-330 (Ortho 3rd floor conference)
Ortho resident: Dr. Tra Merritt (Team 2)
1. Anderson, Kelly
2. Atashzareh, Reza
3. Davies, Chase
4. Douma, Tyler
5. Okafor, Christian
6. Olson, Jasmine
7. Talbot, Chase

WEEK 8
Thursday, November 14th
B-330 (Ortho 3rd floor conference)
Ortho resident: Dr. Suzie Kim (Team 3)
1. Baldwin, Michael
2. Bastian, Neal
3. Park, Laura
4. Parker, Katie
5. Shen, Wilma Grace
6. Skachkov, Eddy
8. Sullivan, Jessica

WEEK 9
Monday, November 18th
T-530 (Health Sciences breakout room)
Ortho resident: Dr. Maria Nart (Team 4)
1. Hennager, Zach
2. Hewett, Julie
3. Kim, Sue
4. Koontz, Chris
5. Lawr, Sara
6. Lowe, Garrett
7. Quidwai, Samina

Thursday, November 21st
B-330 (Ortho 3rd floor conference)
Ortho resident: Dr. Blake Davis (Team 5)
1. Beard, Jon
2. Benson, K'la
3. Billington, Todd
4. Chamblin, Katie
5. Dupuis, Daniel
6. Everett, Jon
7. Fazeli, Afsoon
8. Franklin, Drew

WEEK 10
Monday, November 25th
T-530 (Health Sciences breakout room)
Ortho resident: Dr. Soleil Roberts (Team 1)
1. Gentling, Garrett
2. Houshmand, Bahar
3. Mehr, Bahrum
4. Quinton, Carsten
5. Stenson, Sofia
6. Tadros, Tadros

Thursday, December 5th
D-561 (Ortho 5th floor conference)
Ortho resident: Dr. Tra Merritt (Team 2)
1. Garcia, Joey
2. Hakes, Jackie
3. Ludwig, David
4. Vadi, Maya
5. Warnock, Daniel
6. Wong, Jackie,
7. Woods, Brigitte
8. Wu, Christine

If you are not listed above, you will be scheduled Winter 2013 quarter.