Clinical Decision Support Application

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### Organizational priorities
Clinical quality measures
Stakeholders
Workflow
CDS Interventions
Quality reporting

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<table>
<thead>
<tr>
<th>Module</th>
<th>Dates</th>
<th>Topics</th>
<th>Assignments</th>
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| 1 | 1/21 | COURSE INTRODUCTION  
- Moodle Orientation  
- Clinical Decision Support/Knowledge Management Definitions/Theoretical Frameworks  
- The 10 Commandments of CDS  
- Introduction to a problem  
Online Presentation: Introduction to CDS | In Person Class  
Wednesday 01/23/2013  
09:05 A.M. - 11:00 A.M.  
MooST 2-116  
Chapter 1: Osheroff et al  
Other readings |
| 2 | 1/28 | CDS/KNOWLEDGE MANAGEMENT COMPONENTS  
- Infrastructural Components of a CDS System  
- Commonly User Reference sources and their infrastructure  
- Users Interface Tools  
Current State and Issues  
Online Presentations:  
Overview of CDS  
AP - Lesson 1 & 2 | DISCUSSION  
Select case study  
Problem statement; initial SMART goal  
Chapter 2: Osheroff et al  
Other readings |
| 3 | 2/4 | KNOWLEDGE MANAGEMENT  
- Tacit and Explicit Knowledge Defined  
- Levels of Expertise and Different Support Needs  
- Issues and Value of Knowledge Base Maintenance  
Online Video Presentations:  
Cochrane Consumer Network  
AP Lesson 3 | DISCUSSION  
Chapter 4: Osheroff et al  
Other readings |
| 4 | 2/11 | KNOWLEDGE BASES  
- Rationale for Evidence Based Practice in CDS Applications  
- Evaluating Evidence – Standards and Issues  
Online Presentations: Clinical Knowledge Bases  
AP Lesson 4 - 5 | DISCUSSION  
Chapter 5: Osheroff et al  
Other readings |

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<thead>
<tr>
<th>Assignment</th>
<th>Due Date or Modules</th>
<th>Points</th>
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<tbody>
<tr>
<td>1. CDS Problem Statement/Smart Goal</td>
<td>2/24/13</td>
<td>10%</td>
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<td>2. CDS Goal Charter</td>
<td>3/30/13</td>
<td>10%</td>
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<td>3. CDS Workflow Design (AP Demonstration)</td>
<td>4/21/13</td>
<td>15%</td>
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<td>4. CDS Intervention and CQM Report</td>
<td>5/5/13</td>
<td>25%</td>
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<td>5. In Person Participation</td>
<td>1, 7, 13</td>
<td>5%</td>
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<td>6. Discussion Participation</td>
<td>2, 3, 4, 6, 9, 10, 11, 14</td>
<td>20%</td>
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<tr>
<td>7. Applied Pathway (AP) Exercises</td>
<td>2, 3, 4, 5, 8, 9, 10, 11, 12</td>
<td>20%</td>
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<td><strong>Total</strong></td>
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<td>100%</td>
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Creating CDS Algorithm
Evaluating CDS Intervention