Phased Rollout

Getting the word out:

- FacSen: 4/5/19
- UPDs: 4/16-17/19
- IT Steering: 4/19/19
- UMBC Bb Update: 5/9/19
- USG ProgramDirs.: 5/16/19
- FA19 Inst. Tech Update: 8/20/19
- FacSen: 9/10/19
- GPDs: 9/11/19
- Classroom Committee: 11/13/19

Discussed extensively at AY18-19 FacSen CPC Mtgs. tinyurl.com/umbcfacsencpc

https://doit.umbc.edu/itnm/?id=83448
Tracking Ultra adoption

- SU2018: 0
- FA2018: 14
- WT2019: 14
- SP2019: 147
- SU2019: 63
- FA2019: 269

Ultra Course Adoption

Number of course shells

Last updated 09.11.2019 @ 12:41 PM
### Original Phased Rollout of Ultra by College

**Announced April 2019**

<table>
<thead>
<tr>
<th>Targeted Term</th>
<th>College</th>
<th>FA2019 Ultra Adoption</th>
</tr>
</thead>
<tbody>
<tr>
<td>FA2019</td>
<td>Social Work, Erickson, UAA, DPS</td>
<td>24.52%</td>
</tr>
<tr>
<td>SP2020</td>
<td>CNMS</td>
<td>2.97%</td>
</tr>
<tr>
<td>FA2020</td>
<td>COEIT</td>
<td>10.78%</td>
</tr>
<tr>
<td>SP2021</td>
<td>CAHSS</td>
<td>61.34%</td>
</tr>
</tbody>
</table>
What we’re finding so far...

Successful Ultra adoption occurs in courses with:

➔ Simplified content structures (e.g., nested folders)
➔ Lower interaction or one-way communication
➔ Balanced use of assessments with minimal configuration requirements
➔ Reduced use of “bells & whistles” in an Original course
SP2019 Faculty Survey

How did Ultra compare with the original Blackboard course?

Would you recommend Ultra to a colleague?
39 responses

- Yes: 33.3%
- No: 28.2%
- Maybe: 28.5%

Would you use Ultra again in your course?
39 responses

- Yes: 69.2%
- No: 20.5%
- Maybe: 10.3%
- I liked it a lot.
- I liked it a little.
- I'm not sure yet how I feel about it.
- I'll get used to it.
- I didn't like it.

View full results
THINGS WE CAN WORK AROUND PENDING DEVELOPMENT

Content
➔ Right to left text alignment (ARBC) 🚧
➔ Resizing / aligning images
➔ HTML embed 🔄
➔ Granular course copy: Rubrics & discussions 🚧

Engagement
➔ Journals (in development) 🚧
➔ Formatting announcements
➔ Lack of subject line in course messages 🔄

Assessment & Grading
➔ Random blocks (called question pools) 🔄
➔ Bulk download assignment (est Oct 2019) 🔄
➔ Gradebook calculations (mix columns & categories) 🔄
➔ Sorting by First or Last name; high / low grades
➔ Primary / secondary instructor view (e.g., letter / percentage grades)
➔ Multiple attempts for Group Assignments
➔ Upload format for scantrons (need to add student ID) 🔄

Other third-party integrations
➔ Panopto 🚧 (available with some limitations)

THINGS THAT ARE DEAL BREAKERS

Group Management
➔ Batch enroll in Groups via CSV 🚧
➔ Link Group Sets to Assignments (Dec 2019) 🚧

Assessment & Grading
➔ Import / export gradebook ✓
➔ Decimal points on tests- (Sep 2019)
➔ Point-based rubrics / lack of half-point option
➔ Rubric evaluation report

Publisher integrations
➔ McGraw-Hill 🚧 (ready for testing)
➔ Pearson MyLab/Mastering 🚧 (per vendor)
➔ WebAssign (FA2020) 🚧
➔ Cengage ✓ (SU2019)
➔ Wiley PLUS ✓ (SU2019)
➔ ALEKS & Aplia, Macmillan, Norton ✓

Please see key FAQs:
“What tools are available in Ultra courses?”
“What’s New in the Ultra Experience?”
### Student Bb Use Always Highest in CNMS Courses

<table>
<thead>
<tr>
<th>College</th>
<th>Total Learn Courses</th>
<th>Learn Courses with Students</th>
<th>Active Learn Courses</th>
<th>Learn Courses Using Grade Center</th>
<th>Learn Courses Currently Available</th>
<th>Avg Course Accesses Per Student</th>
<th>Avg Interactions Per Student</th>
<th>Avg Minutes Per Student</th>
<th>Avg Submissions Per Student</th>
</tr>
</thead>
<tbody>
<tr>
<td>College of Natural and Mathematical Sciences</td>
<td>295</td>
<td>225 (76%)</td>
<td>157 (53%)</td>
<td>128 (43%)</td>
<td>147 (50%)</td>
<td>77.8</td>
<td>575.9</td>
<td>2937.2</td>
<td>12.1</td>
</tr>
<tr>
<td>College of Engineering and Information Technology</td>
<td>352</td>
<td>314 (89%)</td>
<td>287 (82%)</td>
<td>248 (70%)</td>
<td>256 (73%)</td>
<td>59.0</td>
<td>429.9</td>
<td>1752.7</td>
<td>9.1</td>
</tr>
<tr>
<td>The Erickson School</td>
<td>27</td>
<td>27 (100%)</td>
<td>22 (81%)</td>
<td>17 (63%)</td>
<td>19 (70%)</td>
<td>55.8</td>
<td>547.2</td>
<td>1879.6</td>
<td>17.8</td>
</tr>
<tr>
<td>Division of Undergraduate Academic Affairs</td>
<td>39</td>
<td>34 (87%)</td>
<td>28 (72%)</td>
<td>21 (54%)</td>
<td>28 (72%)</td>
<td>51.9</td>
<td>348.3</td>
<td>1664.3</td>
<td>10.6</td>
</tr>
<tr>
<td>College of Arts, Humanities and Social Sciences</td>
<td>1272</td>
<td>1086 (85%)</td>
<td>853 (67%)</td>
<td>668 (53%)</td>
<td>809 (64%)</td>
<td>46.5</td>
<td>360.3</td>
<td>1403.7</td>
<td>10.9</td>
</tr>
<tr>
<td>School of Social Work</td>
<td>36</td>
<td>36 (100%)</td>
<td>31 (86%)</td>
<td>28 (78%)</td>
<td>31 (86%)</td>
<td>46.3</td>
<td>272.6</td>
<td>1138.0</td>
<td>6.2</td>
</tr>
<tr>
<td>Provost / Academic Affairs</td>
<td>11</td>
<td>11 (100%)</td>
<td>11 (100%)</td>
<td>8 (73%)</td>
<td>11 (100%)</td>
<td>34.8</td>
<td>200.5</td>
<td>916.3</td>
<td>8.3</td>
</tr>
<tr>
<td>Division of Professional Studies</td>
<td>54</td>
<td>48 (89%)</td>
<td>37 (69%)</td>
<td>30 (56%)</td>
<td>42 (78%)</td>
<td>11.0</td>
<td>64.4</td>
<td>204.3</td>
<td>2.0</td>
</tr>
<tr>
<td>No SIS College Mapped</td>
<td>19</td>
<td>6 (32%)</td>
<td>3 (16%)</td>
<td>2 (11%)</td>
<td>4 (21%)</td>
<td>3.8</td>
<td>27.8</td>
<td>93.7</td>
<td>1.5</td>
</tr>
<tr>
<td>Organization</td>
<td>4</td>
<td>4 (100%)</td>
<td>4 (100%)</td>
<td>2 (50%)</td>
<td>3 (75%)</td>
<td>3.4</td>
<td>64.8</td>
<td>94.6</td>
<td>3.5</td>
</tr>
<tr>
<td>Institutional Advancement</td>
<td>33</td>
<td>32 (97%)</td>
<td>9 (27%)</td>
<td>0 (0%)</td>
<td>5 (15%)</td>
<td>1.7</td>
<td>6.0</td>
<td>18.2</td>
<td>0.0</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td><strong>2142</strong></td>
<td><strong>1823 (85%)</strong></td>
<td><strong>1442 (67%)</strong></td>
<td><strong>1152 (54%)</strong></td>
<td><strong>1355 (63%)</strong></td>
<td><strong>54.7</strong></td>
<td><strong>411.3</strong></td>
<td><strong>1769.4</strong></td>
<td><strong>10.4</strong></td>
</tr>
</tbody>
</table>
Why is CNMS Student Bb Use So High?

- The tree map shows all courses in each college (box size = number of students/course, SP19)
- Greener box means more actions/student per course.
- CNMS has relatively more green boxes due to CHEM, BIOL, PHYS that use quizzes/assessments.
- Other colleges have relatively fewer green courses as well as other courses that “weigh down” avg. number of actions/student.
How Faculty Use an LMS

Literature & Practice

- J. Campbell, 2007
- Dawson et al., 2008
- Macfadyen & Dawson, 2012
- Whitmer, 2012
- Fritz, 2013
- Fritz & Whitmer, 2017

1. **User & Document Management**
   - Auto course creation and enrollment
   - Password-protected class & group space
   - Attach or Copy/Paste Documents, perhaps with expiration dates.

2. **Interactive Tools**
   - Announcements
   - Email, Messages
   - Discussion & Chat

3. **Assessments**
   - Electronic assignment delivery & collection
   - Quizzing, surveys, online grade center.
   - Adaptive release of content based on prior action or grades.
# CNMS tool analysis: SP2019

<table>
<thead>
<tr>
<th>Discipline</th>
<th>50+ Students</th>
<th>Uses Groups</th>
<th>50+ Students Group Usage</th>
<th>Uses WebAssign</th>
<th>50+ Students Groups / WA</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH/STAT</td>
<td>34</td>
<td>22</td>
<td>18</td>
<td>14</td>
<td>9</td>
</tr>
<tr>
<td>BIOL</td>
<td>15</td>
<td>22</td>
<td>13</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>CHEM</td>
<td>10</td>
<td>7</td>
<td>4</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>PHYS</td>
<td>5</td>
<td>11</td>
<td>5</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total Shells</strong></td>
<td><strong>64</strong></td>
<td><strong>63</strong></td>
<td><strong>40</strong></td>
<td><strong>15</strong></td>
<td><strong>10</strong></td>
</tr>
<tr>
<td><strong>Enrollments</strong></td>
<td><strong>8153</strong></td>
<td><strong>6349</strong></td>
<td><strong>5884</strong></td>
<td><strong>2006</strong></td>
<td><strong>1395</strong></td>
</tr>
</tbody>
</table>
CNMS tool analysis: SP2019
Challenges to adopting Ultra in STEM / large courses

Group management

➔ Creating groups & enrolling students via CSV
➔ Smart views in gradebook

Third-party tools

➔ WebAssign (FA2020)
➔ Pearson Mastering / MyLab

Other: Conditional availability to release content & assessments
DoIT Focus for Ultra Rollout

<table>
<thead>
<tr>
<th>Area of Focus</th>
<th>FA2019</th>
<th>SP2020</th>
<th>FA2020</th>
<th>SP2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOWK, Erickson, UAA, DPS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CNMS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Targeted Programs &amp; Departments in CAHSS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Instructor Opt-In</td>
<td></td>
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</tbody>
</table>