UPDATE to Action Plan for the
MATERIALS SCIENCE GRADUATE
DEGREE PROGRAM
Oregon State University
April 2010

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SUMMARY OF ONGOING RESPONSES TO GRADUATE PROGRAM REVIEW RECOMMENDATIONS (Spring 2007)

Rec 2: Regular Meetings of Faculty: We have met twice each year for formal faculty meetings (see Highlights) and Committee meetings.

Rec. 4: Survey of current students: This has still not been done. Lack of time and supporting personnel has pushed it to a lower priority.

Rec. 6: Alternative business models be explored: Several faculty meetings have determined that present structure is working well and there is no desire for radical change. It is desirable to have students formally identified with the home department of major professor in University/Grad School records. No progress on this front, as it is a Banner issue. A new joint research initiative will create some opportunities for restructuring the academic program in the future.

Rec. 7: Director supported to at least 0.25 and add co-Directors: The Director position continues to be supported by the School of MIME at a 0.20 FTE. A co-Director was added from Wood Science and Engineering in 2008. Increasing the frequency of faculty meetings has reduced the need for co-Directors, and these positions have not been filled in the past two years.

Rec 10: Decrease appearance of being an ME program and increase interdisciplinary nature: Growth of Materials Science faculty (see Highlights) has been entirely outside of the ME Department, and the number of Materials Science students supported by faculty outside ME continues to rise. The addition of a course designation for Materials Science courses (MATS) has reduced the emphasis on ME in the coursework and provides a cohesive Materials Science curriculum visible from outside the University.

Rec 13: Develop consistent qualifier and preliminary exams for all Materials Science students: This was completed in the Faculty meeting of April 2008 (see Highlights).
HIGHLIGHTS OF MATERIALS SCIENCE PROGRAM
SEPTEMBER 2007-APRIL 2010

Number of Students:

<table>
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<tr>
<th>Fall 2007: 22</th>
<th>Fall 2008: 24</th>
<th>Fall 2009: 30</th>
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<tr>
<td>Enrolled:</td>
<td>Applicants:</td>
<td>S10 for F10: 55 (10 accepts)</td>
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<td>S08 for F08: 51 (9 accepts)</td>
<td>S09 for F09: 40 (17 accepts)</td>
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Degrees Awarded:

- 2007-08: 2 MS, 4 PhD, 1 MS-minor
- 2008-09: 5 MS, 3 PhD, 2 MS-minor, 1 PhD-minor
- 2009-10: 4 MS, 1 PhD (not complete list)

Number of Faculty:

| March 2007: 28 |
| March 2008: 38 |
| March 2009: 43 |
| March 2010: 47 |

Materials Science Faculty Meetings and Faculty/Graduate Student Mixers:

- Oct 17, 2007: Faculty Meeting (13 attended out of 38)
  Outcomes:
  - Students should be identified by home department of advisor.
  - On-line application process developed
  - COE fee remission agreement for non-COE students

- Oct 29, 2007: Faculty sub-committee to design “Nano-materials” graduate track course requirements.

- March, 2008: Resolution to treat Materials Science students as full members of the Chemistry department approved by Chemistry Faculty. This allows Mat Sci degree students working in Chemistry to occupy Chemistry GTA positions, as is presently the case in other member departments.

- April 9, 2008: Faculty Meeting (15 attended out of 39)
  Outcomes:
  - Established uniform qualifier requirement
  - Approved the “Project” MS degree (a non-thesis option)
  - Discussed the prelim exam process

- June 10, 2008: Faculty and Grad Student BBQ, Avery Park
  Awarded the “Ralf Busch Best Seminar” award for 2007-08
October 16, 2008: Faculty and Grad Student BBQ, Avery Park

April 7, 2009 Faculty Meeting (16 attended out of 43)
   Outcomes:
   Approved Graduate minor in Materials Science
   Approved concept of MATS cross-listing course designator
   PhD Prelim exam rules approved
   Rules for thesis committee make-up approved

June 4, 2009: Faculty and Grad Student BBQ, Avery Park
   Awarded the “Ralf Busch Best Seminar” award for 2008-09

June 18, 2009: Materials Science Curriculum Development Meeting

October 29, 2009: Faculty and Grad Student BBQ, Avery Park

November 13, 2009: Faculty Meeting (18 attended out of 45)
   Outcomes:
   Alternate thesis format requirements discussed
   Future Plans/Research Collaboration Discussion

Materials Science Student and Faculty Kudos: (A partial list)

2007-2008:
   Yu-Hong Jeon and Jin Zeng: Oregon Laurels Grad Fellowships
   Minal Shah: First Place Presentation, Oregon ASM International Student Night Competition
   Chien-Chih Huang: Third Place Presentation, Oregon ASM International Student Night Competition
   Kyle Rozman and Noon Prasertpalichat: Targeted Graduate Tuition Scholarships

2008-2009:
   Eric Patterson: ARCS Scholarship Award
   Chris Shelton: Best Poster Award, American Ceramic Society
   Associate Professors Jay Kruzic and Bill Warnes: Erasmus Mundus Faculty Scholarship Awards
   Eric Patterson: 2009 Communication Chair of the Presidents Council of Student Advisors, American Ceramics Society
   Morgan Emerson: First Place Presentation, Oregon ASM International Student Night Competition
   Max Launey (Mat Sci alumn): Dec 2008 publication in SCIENCE
   Associate Professor Jay Kruzic: OSU Promising Scholar Award

2009-2010:
   Associate Professor Jay Kruzic: Arthur Hitsman Faculty Scholar Award
Eric Patterson and Noon Prasertpalichat: Members of the Presidents Council of Student Advisors, American Ceramics Society
Yi Liu: Newly appointed Director of OSU Electron Microscopy and Imaging Facility