Course Change Form

Date of Request: February 19, 2009
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Course Addition

1. Course Title: Abstract Algebra
   Prefix & Num: MATH 4010

2. Pre-requisite(s): MATH 4000
   Co-requisite(s): Instructor permission required: No
   Credits: 3.00
   Class Hours/Week: LEC: 3.00
   Clinical: 0.00
   *LBC w/er: 0.00
   Practicum: 0.00
   *LNC w/no cr: 0.00
   Independent Study: 0.00
   Credits: 3.00

3. Semester to be Implemented: Fall, 2009
   Day ☒
   Extended Day ☒
   Grade type: Regular
   Potential WLF: 3.00

4. Cost Code: NAT 105
   Lab Fee: 0
   Additional Fees: $0.00

5. Is this course designed for a specific group? No
   Who?

6. Catalog Description: ☐ Now in Print, or ☒ Proposed Below:
   Continuation of MATH 4000. Topics include Sylow Theory for finite
   groups, Galois Theory, factorization in commutative rings.
   Prerequisite: MATH 4000. 3 lecture hours per week.

7. Course justification (attach sheets if needed):
   This course can be used to fulfill Level 4 Endorsement for Utah State math teachers. Also, to be used in the Math degree.

8. Are library resources adequate to support this change? Yes If not, how are those resources to be acquired?

9. Are technical and other resources available? Yes If not, how are those resources to be acquired?

10. Relationship to the curriculum: Would the course fill a G.E. requirement? No
    If yes, which G.E. area?
    If it does not fill a G.E. requirement, would the course offer elective credit? Yes

11. Transferability of the course: List comparable courses at other colleges and universities:

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<tr>
<th>G.E.</th>
<th>Elective</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prefix &amp; Num.</th>
<th>Institution</th>
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<td>☒</td>
<td>Introduction to Modern Algebra</td>
<td>3</td>
<td>MATH 5310</td>
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<tr>
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<td>Introduction to Modern Algebra</td>
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<td>MATH 4320</td>
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Approval Signatures:

Department Chair: Scott Mortensen
Date: 3/4/09

Associate Dean/Dean: Victor Hasfurther
Date: 3/4/09

Curriculum Chair:
Date: 

Academic VP:
Date: 