Course Change Form

Course Addition

1. Course Title: Introduction to Topology
   Prefix & Num: MATH 4100
   3.00

2. Pre-requisite(s): MATH 2210 & 2300
   Co-requisite(s): Instructor permission required: No
   Class Hours/Week: *LEC: 3.00 *LBC w/cr: 0.00 *LNC w/no cr: 0.00 Credits: 3.00
   Clinical: 0.00 Practicum: 0.00 Independent Study: 0.00

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

4. Cost Code: NAT 105 Lab Fee: 0 Additional Fees: $0.00 Potential WLF: 3.00

Explanation of Fees:

5. Is this course designed for a specific group? No Who?
6. Catalog Description: ☐ Now in Print, or ☒ Proposed Below:
   An overview of elementary point-set topology. Topics include topological spaces, compactness, connectedness, metric spaces, and Hausdorff spaces. Prerequisites: MATH 2210 & MATH 2300. 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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<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>Introduction to Topology</td>
<td>3</td>
<td>Math 4510</td>
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<td>Topology</td>
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<td>MATH 4320</td>
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<td>Foundations of Topology</td>
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<td>MATH 3500</td>
<td>UVU</td>
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Approval Signatures:

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

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

Curriculum Chair:
Date:

Academic VP: