MATH&148 - Business Calculus

Document Type: Master Course Outline
Proposal Type: Revision
Requester(s): Lawrence Morales
College: Central
Origination Approved: 04/13/2018 - 6:27 AM

BASIC INFORMATION

Requester(s): Lawrence Morales
College: Seattle Central College
Division/Dept: Science, Technology, Engineering, and Math (STEM)
Dean: Wendelyn Rockhill
Peer Reviewer(s): Jonathan P Ursin

COURSE INFORMATION

Proposed Course Number:
Prefix: MATH& Number: 148
- Request a new Prefix
- This will be a common course

Full Title: Business Calculus
Abbreviated Title: Business Calculus

Catalog Course Description:
Explores introductory topics in differential and integral calculus, with particular emphasis on understanding the principal concepts and their applications to business.

Course Length: 11 Weeks
- Request an Exception

Topical Outline:

- Review of functions
- Introduction to limits
- Introduction to derivatives
- Applications of derivations and optimization
- Introductions to integration
- Techniques of integration
- Partial derivatives of functions of two variables with applications

COURSE CODING
Funding Source: 1..................State
Institutional Intent: 11..................Academic Transfer

Select the Distribution Area of the AA Degree that this course will satisfy, if applicable:

Distribution Areas

Q/SR Quantitative Symbolic Reasoning

Will this course transfer to a 4-year university? Yes

Please Describe:
This is a standard course that 4-year universities require for business majors. In addition, this course may transfer to the U of WA as Math 112.

Is this course designed for Limited English Proficiency? No
Is this course designed for Academic Disadvantaged? No
Does this course have a Workplace Training component? No

CIP Code: 27.0103

Credits:
Will this course be offered as Variable Credit? No

List Course Contact Hours

<table>
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<th>Component</th>
<th>Contact Hours</th>
<th>Credit(s)</th>
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<tr>
<td>Lecture (11 Contact Hours : 1 Credit)</td>
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<tr>
<td>Lab (22 Contact Hours : 1 Credit)</td>
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<td>Clinical Work (33 Contact Hours : 1 Credit)</td>
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<td>Other (55 Contact Hours : 1 Credit)</td>
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<tr>
<td>Total Credits</td>
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This is to certify that the above criteria have all been met and all statements are accurate to the best of my knowledge.

Faculty involved in originating this program:

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<tbody>
<tr>
<td>Lawrence Morales</td>
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Dean:

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<tr>
<td>Wendelyn Rockhill</td>
<td>Wendelyn Rockhill</td>
<td>2/7/2018</td>
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Results of CSCC Origination Committee Findings

Participating Faculty Response and Remarks

- [X] Recommended for approval
- [ ] Not recommended for approval

Chairman, Curriculum & Instruction Committee:

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Vice President for Instruction:

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<tbody>
<tr>
<td>Bradley H Lane</td>
<td>Bradley H Lane</td>
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