PHYS&114 - General Physics I With Lab

Document Type: Master Course Outline
Proposal Type: Revision
Requester(s): Rick A Downs, Elizabeth Schoene
College: South
Origination Approved: 06/11/2014 - 9:58 AM

BASIC INFORMATION

| Requester(s): | Rick A Downs, Elizabeth Schoene |
| College: | South Seattle Community College |
| Division/Dept: | Academic Programs |
| Dean: | Laura Kingston |
| Peer Reviewer(s): | Sean Rogers |

COURSE INFORMATION

Proposed Course Number:
Prefix: PHYS&  
Number: 114

- Request a new Prefix
- This will be a common course

Full Title: General Physics I With Lab
Abbreviated Title: General Phys I W/Lab

Catalog Course Description:
First of three non-calculus-based courses covering the field of physics. Includes kinematics, vectors, forces, dynamics, work, energy, momentum, and rotation. Lab included.

Course Length: 11 Weeks

Course Prerequisite(s):
MATH 095 or MATH 098 with a 2.0 or higher and placement into ENGL&101 (N).

Topical Outline:
Major topics are listed below. Additional details are available in the College Supplemental MCO file for each campus.
- Units and Measurement
- Kinematics in 1-Dimension
- Vector Quantities
- Kinematics in 2-Dimensions
- Newton's Laws of Motion
- Applications of Newton's Laws
- Circular Motion
- Work and Energy
- Impulse, Linear Momentum, and Collisions
- Simple Rotational Motion
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**

Natural World

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

**Please Describe:** This course transfers as General Physics I
Transfers to the UW as PHYS 114 (4 cr) and PHYS117 (1 cr)

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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

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**CIP Code:** 40.0801

**Credits:**

- **Will this course be offered as Variable Credit?** No

- **List Course Contact Hours**
  - Lecture (11 Contact Hours : 1 Credit) 33
  - Lab (22 Contact Hours : 1 Credit) 44
  - Clinical Work (33 Contact Hours : 1 Credit) 0
  - Other (55 Contact Hours : 1 Credit) 0

- **Total Contact Hours** 77
- **Total Credits** 5
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>Rick A Downs</td>
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<td>Elizabeth Schoene</td>
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Dean:

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<td>Laura Kingston</td>
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Results of SSCC Curriculum Coordinating Council Findings

Participating Faculty Response and Remarks

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

Chairman, Curriculum Coordinating Council:

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<tr>
<td>Diane Schmidt</td>
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Vice President for Instruction:

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<td>Donna Miller-Parker</td>
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