SEATTLE COMMUNITY COLLEGES COURSE CODING APPROVAL FORM

College No. 63
Date 10/05/02
College Name: NSCC ☑ SCCC ☐ SSCC ☐ SVI ☐ Submitted by Patricia Clark Phone # 528-4523

☐ Add to inventory effective 2003/Winter year/quarter
☐ Delete from inventory effective _____ year/quarter 10/8/03
☐ Change to another CIP Code List old CIP Code _____
☐ Title Change only List old title _____
☐ Change status for AA degree requirements (Academic Transfer courses only. See #5 below)
☐ Other (specify) _____

Div/Dept Office of Instruction/Watch Technology Institute
Course Title Watch Technology VI: Automatic Watches
Fund Source Administrative Unit Office of Budget 011-3H01
Institutional Intent 21

1. Is this course a requirement for an approved Vocational Preparatory program?
   ☑ Yes ☐ No If yes, list Educational Program Code/EPC: _____

2. Does this course imply: Limited English Proficiency?
   ☑ Yes ☐ No

3. Does this course imply: Academic Disadvantaged?
   ☑ Yes ☐ No

4. Does this course contain a workplace training component?
   ☑ Yes ☐ No

5. Which, if any, AA Degree requirement(s) will this course satisfy?(Academic Transfer Courses only)
   A. Special Requirements?
      ☐ Q Math/Q (Quantitative Reasoning)
      ☐ C Communication (Studies and Applications)

   B. Distribution Areas
      ☐ Language and Communication
      ☐ Literature/History of Ideas
      ☐ Music, Art, and Drama
      ☐ Individuals and Societies
      ☐ United States Cultures

   ☐ Global Studies
   ☐ The Physical Universe
   ☐ The Living World
   ☐ Science, Tech., & Environment

Credits 6 Is this a variable credit class? ☑ Yes ☐ No Faculty Contact Hours 110
Student Contact Hours: Lecture 22 Lab 88 Clinical ___ Other ___ System ___ Total ___

Originating Administrator Signature 10/3/02
Concurring Administrator/SCCC Date
Concurring Administrator/SSCC Date
Vice President of Instruction 10/28/02

Course/Changes on-line: 11-5-02 Date: CAS Approval: 12/3/02 Date: 10/8/02
NEW COURSE TRANSMITTAL FORM

Division: Watch Technology Institute
Course Number: HIN 222

Course Name: Watch Technology VI: Automatic Watches
Contact Person: Patricia Clark
Phone Number: 528-4523

Comments: (Impact on existing college equipment in inventories and facilities, requirements on new equipment and facilities, information for advising, possible effect on library, media center, computer labs, copy center, and other college operations.

The Watch Technology Institute maintains its own library or resources. The program coordinator and faculty are the advisors for this program.

Approval by Division: Yes: X
No: Date: 8/4/2002

Approval by TAC: Yes: X
No:
(if professional/technical course)
Date: 9/18/2002

Course to be offered as Distance Learning? Yes: X
No:

Areas of Knowledge (for transfer courses only): Committee chairs, initial and date)
Language & Communication
Music, Art & Drama
US Cultures
The Physical Universe
Science, Technology & the Environment
Math “Q” Course

Literature/History of Ideas
Individuals & Societies
Global Studies
The Living World
Communication “C”

Attach course outline and route original form to: (initial and date)
Advising Center:
Library/Media:
Instructional Computing:
Credentials:

Curriculum and Academic Standards Committee comments:

Recommend Approval Yes: 
No:
Date:

Signatures: 
Vice President for Instruction—NSCC
Dean/Associate Dean—SSCC
Dean/Associate Dean—SCCC
# Course Establishment Form

## Outline

**Effective date:** Winter 2003

<table>
<thead>
<tr>
<th>Division:</th>
<th>Office of Instruction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program/Dept:</td>
<td>Watch Technology Institute</td>
</tr>
<tr>
<td>Course Number:</td>
<td>HIN 222</td>
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<tr>
<td>Credits:</td>
<td>6</td>
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<tr>
<td>Variable:</td>
<td></td>
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<tr>
<td>Course Title:</td>
<td>Watch Technology VI: Automatic Watches</td>
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<tr>
<td>Inst. Intent:</td>
<td>21 Vocational Preparatory</td>
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<tr>
<td>CIP:</td>
<td>47.0408</td>
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<thead>
<tr>
<th>Degree/Certificate Requirement:</th>
<th>Yes X</th>
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<tbody>
<tr>
<td>Name of Degree/Certificate:</td>
<td>Wostep Certificate (External), Watch Technology</td>
</tr>
<tr>
<td>Distribution Requirement for AA/AAS:</td>
<td></td>
</tr>
<tr>
<td>Transfer Status to 4-year institution:</td>
<td>Yes</td>
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<tr>
<td>If yes, please describe:</td>
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<table>
<thead>
<tr>
<th>Course length:</th>
<th>1 qtr., 11 wks.</th>
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<tbody>
<tr>
<td>Class Size:</td>
<td>12</td>
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<tr>
<td>Course Contact Hours:</td>
<td>110</td>
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<tr>
<td>Lecture:</td>
<td>22 hrs</td>
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<tr>
<td>Lab:</td>
<td>88 hrs.</td>
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<tr>
<td>Clinical:</td>
<td></td>
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<tr>
<td>Other:</td>
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<tr>
<td>System:</td>
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<tr>
<th>Prerequisite:</th>
<th>Yes: X</th>
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<tbody>
<tr>
<td>If yes, please describe:</td>
<td>Students must have completed CIS 211, 212 &amp; 213, Co-requisite courses HIN 221 &amp; 223</td>
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<tr>
<th>Required Placement Tests:</th>
<th>Yes</th>
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<tr>
<td>If yes, please describe:</td>
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| Comments: | This course is taken in conjunction with HIN 221 and HIN 223 |

**Course Description:**

This course introduces the various self-winding (automatic) mechanisms for watches. Students practice testing, adjusting, disassembly and assembly of automatic mechanisms and study the history and development of these mechanisms.

**Course Goals:**
To formulate patterns based on specific examples. (Outcome 2C.)

Course Outcomes/Learning Objectives:

1. To develop the following skills in automatic watch repair:
   a. cleaning
   b. lubricating, and c. adjusting.

Topical Outline and/or Major Divisions:

I. Historical development
II. Nomenclature
III. Types of systems
   A. Winding in one direction
   B. Winding both directions
   C. Various other systems
IV. Oscillating weights
   A. Limited-rotation oscillating weight
   B. Full-rotation oscillating weight
   C. Eccentric oscillating weight (micro rotor)
V. Transmission of the force
   A. Oscillating weight pinion
   B. Reversing wheels (intermediate wheels and pinions)
      1. Function
      2. Reasons for malfunction
   C. Reduction wheels and pinions
VI. Mainspring

Course Requirements (Expectations of Students)

Students need to develop a working knowledge of automatic watch repair.

Students will be expected to demonstrate the ability to perform specific competencies listed under
Course Outcomes/Learning Objectives.

Methods of Assessment/Evaluation:

1. Written and practical tests.
2. Lab assignments.
3. Final grades are assigned according to published grading standards for course.

Required Text(s) and/or Materials:
As determined by instructor.

Supplemental Text(s) and/or Materials:
As required by instructor.

Outline Developed by: Elaine Rolf/Patricia Clark  Date: 10/4/02

Outline Revised by:  Date:

Course Establishment Form 2001
le 10/11/01