Teacher Appointment Criteria  
Computer Science CS161 – Introduction to Computer Science II

Statement of Intent
This document is intended to be a planning and advising resource for the approved instructor and the IPFW Computer Science Department Representative who mentors and supervises the instructor.

Continuation of CS 160. Emphasis is put on program development including programming style, modularization, data abstraction, abstract data types, and selection and analysis of algorithms; programming using a structured approach. Topics include recursion, pointers, files, and elementary data structures including stacks, queues, linked lists, and binary trees.

Requirements
1. Any instructor who teaches this course must first be certified by the Department of Computer Science by meeting the qualifications as established by the department; specifically, an instructor must possess
   i. At least a Masters-level degree in computer science or related degree, or Master’s-level degree in another area and 18 graduate level credit hours completed in Computer Science
   ii. At least three (3) years experience teaching computer classes at the high school level or higher
   iii. A demonstrated commitment to continuing education in technology (continuing academic work, attendance at seminars, meetings, workshops, and the like, which have a focus on computer science and/or the teaching of computer science).

2. The instructor is expected to develop a syllabus that reflects the objectives and goals of the above description of the class. A syllabus will be submitted to the IPFW Department of Computer Science prior to the class, stating objectives and the types and number of assignments due.

The following signatories agree to abide by the terms of this agreement:

<table>
<thead>
<tr>
<th>Instructor Signature</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principal Signature</td>
<td>Date</td>
</tr>
<tr>
<td>IPFW Department Chair Signature</td>
<td>Date</td>
</tr>
</tbody>
</table>