Expected Learning Outcomes:
1. Utilize current ICD, CPT and HCPCS code books to accurately convert medical specialty and hospital medical record source document information into codes for purposes of billing and reimbursement.
2. Apply concepts of medical necessity, correct coding initiative guidelines, local coverage determinations and documentation requirements to develop accurate and appropriate coding in both hospital and non-hospital settings.
3. Apply knowledge of CMS reimbursement methodologies and documentation regulations to develop accurate and appropriate coding for various clinical situations.

Assessment
Course completion: Number passing at 75% or greater.
Course Outcomes: Common final exam for item analysis:

CO 1 Complex wound repair
CO 1 History of Breast Cancer
CO 1 CPT code breast mass
CO 2 Type of Fracture
CO 2 Fracture unsuccessful reduction
CO 2 Ambulance Services
CO 3 Bronchoscopy w/Fluoroscopy
CO 3 Modifier multiple hospital OP depts. One day
CO 3 Fracture manipulation

Validation
Course Completion: Completion of course with an average grade of 75% or greater.

Course Outcomes: Course outcome target final exam questions will be answered correctly by 75% of the students.

Results
Course Completion: 100% (10/10 students) completed course with a grade of 75% or higher.

Course Outcomes:
CO 1 Complex wound repair 100%
CO 1 History of Breast Cancer 100%
| CO 1 | CPT code breast mass | 60% |
| CO 2 | Type of Fracture | 70% |
| CO 2 | Fracture unsuccessful reduction | 90% |
| CO 2 | Ambulance Services | 90% |
| CO 3 | Bronchoscopy w/Fluoroscopy | 80% |
| CO 3 | Modifier multiple hospital OP depts. One day | 100% |
| CO 3 | Fracture manipulation | 100% |

**Follow-up**

CO 1 continues to present challenges. More focus will be given to this in the upcoming semesters. CO 2 will include some additional work sheets and discussions to improve the outcome.

**Number of students assessed:** 10

**Budget Justification:**
None

One student has taken the certification exam and passed. Four are scheduled.