| Course Outcomes Guide |
| Spring 2014 |

Course/Program Title: **MAP 108 Medical Record Analysis & Coding**

Date: 5/19/2014   **SU13, FA13 and SP14 semesters**

Course/Program Team: **Melanie Rowland, Dana Shetler, Ellan Beard, Jamaica Wiley**

Expected Learning Outcomes:

1. Utilize current ICD, CPT and HCPCS code books to accurately convert physician practice medical record source document information into codes for purposes of billing and reimbursement.
2. Utilize knowledge of concepts of medical necessity, correct coding initiative guidelines, and documentation requirements to develop accurate and appropriate coding for various clinical situations.
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:

CO1   Diabetic gangrene w/ amputation
CO1   Temporary transvenous pacemaker
CO1   History cancer; follow up colonoscopy
CO2   Correct coding edits
CO2   Coding error reduction
CO2   UDDS definition
CO3   Sepsis coding
CO3   Evaluation & Management Coding
CO3   Physician coding system CPT

Validation

Completion of course with an average grade of 75% or higher.

Course Outcomes:

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

Results

Course Completion:

88% (57/65 students) completed the course with a grade of 75% or higher.

12% (8/65 students) did not complete the course with a grade higher than 75%. Of these, three were "walk away" F grades.

Course Outcomes:

CO1	Diabetic gangrene w/ amputation	90%
CO1	Temporary transvenous pacemaker	87%
CO1	History cancer; follow up colonoscopy	55%
CO2	Correct coding edits	93%
CO2	Coding error reduction	37%
CO2	UDDS definition	87%
CO3	Sepsis coding	52%
CO3	Evaluation & Management Coding	71%
CO3	Physician coding system CPT	80%

Follow-up

During the Spring 2014 semester, the HCC Coding and Reimbursement Certificate program converted to teaching the new ICD-10-CM coding system slated to go live in the USA 10/1/15. There were several challenges to this transition including code book problems and instructor learning curves for the new system. In general to improve results across all outcomes, code books with a different design layout are being ordered for the Fall 2014 semester.

To improve results for the course outcome 1 questions where students did not meet the target goal, more in class examples and exercises will be incorporated into class time.

To improve results for course outcome 2, correct coding edits, the federal whitepaper discussing the issue will be presented and discussed in class.

To improve the results for the course outcome 3 questions where students did not meet the target goal, more in class examples and exercises will be incorporated into class time.