

## Homework 5 – OWL

Put all answers as a link from your web site. You can put the answer to #1 as a separate document linked on your web site. This document can be of any type (text, Word, etc.)

1. (p. 128, 3) Express the fact that all mathematics courses are taught by David Billington only (no other lecturer may be involved). Also express the fact that the mathematics courses are exactly the courses taught by David Billington. Is the difference clear?
2. Update your university RDF by doing the following:
  - a. Correct any errors from previous assignment
  - b. Add the following features (note that some may require OWL constructs)
    - i. University
    - ii. Student
    - iii. Undergraduate student
    - iv. Graduate student
    - v. takes (a Student takes a Course)
    - vi. advisor (a Student has an advisor that is an Academic Staff Member)
    - vii. name (for Student and Staff Member)
    - viii. email address (for Student and Staff Member)
    - ix. attends (Student attends a University)
    - x. employs (University employs a Staff Member)
    - xi. employedBy (Staff Member employedBy University)