**44-563 Web Services Technology**

**Exam 4 Study Guide**

The exam questions will cover topics chosen from the lists below. All questions will be multiple-choice, true/false, or fill in the blank. Some questions will cover definitions and concepts, but many questions will cover technical details and code.

Persistence

persistence

persistence unit

entity class

annotations

entity manager

CRUD

Suggestions:

* Study notes
* In Netbeans, create an entity class for a database table and study the resulting code

SOAP-Based Web Services

web service

service-oriented architecture

SOAP

JAX-WS

WSDL, including schema

annotations

defining a class to implement a web service

web service that accesses a database

web service client

web service tester

Suggestions:

* Study the notes
* Study the code for the Calculator, DogInfo, and CatInfo web services
* Study the client for the ignyte.com web service
* Create a simple web service and client and study the code and wsdl file

RESTful Web Services

resources identified by URIs

HTTP methods

RESTful web service that gives access to rows of a database table

annotations

resource class (like CatResource) that implements operations

MovieTheater example, including use of Google maps

Suggestions:

* Study the notes
* Do the following tutorial and study the code  
  <http://netbeans.org/kb/docs/websvc/rest.html>