6.894 OODL Design and Implementation Spring 2001

Massachusetts Institute of Technology
Department of Electrical Engineering and Computer Science

Object-Oriented Dynamic Language (OODL) Design and Implementation
Course Overview

1 Personnel

Jonathan Bachrach: jrb@ai.mit.edu, NE43-802, 452-2852. Office hours: ??

Greg Sullivan: gregs@ai.mit.edu, NE43-802, 253-5807. Office hours: Tu,Th 4-5.

Kostas Arkoudas: koud@ai.mit.edu, NE43-803, 253-3447.

2 Virtual

Course web page: http://www.ai.mit.edu/projects/dynlangs/oodl-course/spring01/

Course mailing list: oodl-course@ai.mit.edu

3 Physical

Where: 26-322.

When: Tuesdays & Thursdays 1-2:30pm, 2/6/01 through 5/17/01.

Except: 2/20 (Presidents Day fallout); 3/27 & 3/29 (Spring vacation); 4/17 (Patriots Day holiday).

4 Prerequisites

6.001 (SICP), 6.035 (Computer Language Engineering). 6.821 (Programming Languages) is preferred.

5 Deliverables

- **Small Projects** There will be a few small, one-week projects.
- **Big Project** There will be a substantial project involving original language design and implementation. Project ideas will be posted on the web site. Students may work in small groups. Each project will need to produce a design and project plan, a working implementation, and present an overview of their project to the class (focussing, of course, on design and implementation considerations and tradeoffs).
- **Research Paper Presentations** Each student will present two papers judged important and relevant to the course. Each presentation will be about a half hour in length. A reading list is available on the course web site, and other research can be presented at the instructors' discretion.

6 Grades

Grades will be based on the deliverables listed above as well as class participation.