



## Enterprise Data Warehouse: Student Registration

This proposal seeks to incorporate and integrate student registration data into the Enterprise Data Warehouse. In so doing, campus administrators would realize significantly improved analysis capabilities, leading to informed decision-making, while also gaining improved data accuracy, reliability and security.

---

### Summary

The University's Institutional Data Management and Governance (IDMG) initiative has made significant progress in growing its EDW and Business Intelligence (BI) solutions over the past year. Its goal: to make institutional data easily accessible, reliable, consistent, and secure to support informed planning, decision-making, and communication. In building on its momentum, it is seeking funding to integrate student registration data.

The April 2011 release of student data in the EDW enabled significantly improved insights and analysis on the student experience. But several critical components remain; one being information about students' curricular experiences. This shortcoming has led to numerous shadow systems to help analysts better understand student demand, enrollment needs, curricular changes, and faculty workload. This proposal would add students' course planning, class schedule, course additions, evaluations, program management, faculty information, and TeleBears data into the EDW. New OBIEE Cal Answers reports and dashboards would help faculty and staff evaluate course and class demand, integrate course and student data to understand course-taking patterns, and determine how well the University is supporting the "common-good" curriculum.

This investment in the continued expansion of the EDW will help eliminate inefficient operations, poor decisions, inaccurate publication of data, lost opportunities, continued maintenance of redundant shadow systems, and increased risk of data loss and theft.

---

### Delivering the Vision

Adding student registration data into the EDW will help achieve the vision of Operational Excellence by reducing administrative costs, advancing an effective and efficient operating environment, and instilling a culture of continuous improvement that leads to high-quality performance and outcomes. This proposal seeks one-time OE funding of \$1,759,000 with projected annual savings of \$2,959,200.

---

### Timeline

If approved by the Executive Committee, this effort would be achieved in three successive seven-month phases, one each for student registration data, curriculum data and course data.

---

### Leadership

Sponsor: Erin Gore, Associate Vice Chancellor, Budget & Resource Planning, IDC Chair

Sponsor: Harry LeGrande, Vice Chancellor, Student Affairs

Sponsor: Cathy Koshland, Vice Provost of Academic Planning and Facilities

Initiative Manager: Pamela Brown / Karen Kato

---

### For More Information

Complete copies of the Enterprise Data Warehouse Business Case as well as the Request for Resources and the proposed budget for Student Registration can be viewed online at the OE web site at <http://oe.berkeley.edu>

Questions and comments about this proposal for the initiative team: [kkato@berkeley.edu](mailto:kkato@berkeley.edu)

Questions about Operational Excellence: [oe@berkeley.edu](mailto:oe@berkeley.edu)