

HP Technology for Teaching Grant Initiative 2006 Higher Education Edition Request for Proposal – Latin America



Introduction and Goals The 2006 HP Higher Education Technology for Teaching grant initiative focuses on course redesign using HP mobile technology. The goal is to positively impact student learning and increase the pipeline of students graduating with degrees in engineering, computer science and business.

The HP Technology for Teaching Initiative supports the development of mobile technology environments that, at their fullest implementation, will:

- Transform teaching and learning in the higher education environment
- Measurably improve student achievement
- Inspire and engage faculty across and between institutions to adopt technology-enhanced instructional best-practices in their classrooms
- Foster scholarly research and publications that document the positive impact that course redesign combined with mobile technology can have.

Higher education faculty play an important role in both refining technology usage as well as understanding how it best integrates into their curriculum and the teaching and learning environment. HP encourages educators who have a project that redesigns a core course in a way that integrates HP mobile technology and positively impacts student learning to apply for the HP 2006 Technology for Teaching grant initiative.

This grant opportunity is available by invitation only. Only one application will be accepted per invited school. The grants are a gift to the institution on behalf of the Principal Investigator (PI) for the specific purpose outlined in the submitted project proposal. **Project proposals must focus on redesigning a core course in the mathematics, science (environmental, physical, or earth sciences), computer science, engineering, or graduate business (including M.B.A.) department.** The applicant must be able to clearly describe the fundamental teaching and learning issues that are being addressed by the project and how the granted HP technology will contribute to resolving those issues. Successful projects will result in sustainable advances in teaching and learning. Additional consideration will be given to projects that 1) have educational technology and instructional leadership support; and/or 2) will contribute toward achieving the institution's vision and plans for broader deployment of mobile technology solutions in the learning environment. We encourage projects that involve multiple professors.

Institution eligibility, proposal review considerations, and key due dates are listed below. Proposals must be submitted no later than 5:00 p.m. Pacific Time on Friday, April 28th, 2006.

Description of the Grant Award

The 2006 HP Technology for Teaching Grant award for higher education includes several elements, valued at more than \$63,000 (USD).

- A product bundle for one faculty member and a classroom, valued at approximately \$55,000 (HP Internet List Price, USD)

Faculty Presentation Solution:

- 1– Wireless HP Tablet PC with Microsoft® Windows® XP Tablet PC Edition
- 1– Tablet docking station and DVD-CDRW optical drive
- 1– Portable HP Digital projector

Classroom Solution:

- 20– Wireless HP Tablet PC with Microsoft® Windows® XP Tablet PC Edition
- 20– External Drive Bay and DVD-CDRW optical drive
- 1– Access Point with wireless card
- 1– 20 unit Laptop cart
- 1– HP All-in-One inkjet printer and digital camera
- \$7,500 (USD) in cash as a stipend for the Principal Investigator to work on the project. This funding can be used to offset the normal course load, or shared with other faculty and/or interns supporting the project. The stipend comes to the university as an unrestricted gift. HP will not finance indirect costs.
- Attendance at the annual Worldwide HP Technology for Teaching Higher Education conference in early 2007. HP will provide travel and hotel accommodations for a single participant from each institution, plus \$500 (USD) in cash to cover miscellaneous travel expenses related to the conference. More information about this conference will be shared with recipients 3-4 months prior to the event.

Eligibility Requirements

This grant initiative is available by invitation only. Only one proposal from each invited university will be reviewed. If multiple proposals are received, HP will contact the university and ask for a decision as to which HP should review. If the university does not identify the proposal to review, HP will review the first proposal received from that university. Only proposals from full-time faculty members will be considered. A maximum of one grant will be awarded to an institution.

The applying institution must be a university recognized by a local or regional accrediting organization or certifying authority.

Institutions that have received an HP Technology for Teaching award in 2004 or 2005 are not eligible for a new grant under this RFP.

The proposed projects must focus on the redesign of a required math, science, engineering, computer science or graduate business course whose credits lead to a degree in one of four key disciplines:

- Computer Science or Computer Engineering
- Science (environmental, physical, or earth sciences)
- Engineering (electrical, mechanical, materials, information technology)
- Masters degree in Business Administration (MBA)

A lead faculty member (Principal Investigator or PI) must be identified in the proposal and be responsible for coordinating the work of the project. The PI must have a full-time appointment with the institution.

Review Criteria

Criteria to be used to evaluate the proposals will include, but will not be limited to:

Essential Conditions

- An IT infrastructure with internet access that can accommodate an 802.11b/g wireless computing Access Point in the location where your project will be deployed
- IT is committed to support the deployment and use of the granted equipment

Primary Criteria

- Proposed project is likely to result in sustainable advances in teaching and learning.
- The Principal Investigator (full-time faculty member) has demonstrated institutional and instructional leadership in their discipline and/or their campus. The application should include evidence of how the faculty Principal Investigator (PI) has responded to student needs in the past through course redesign or other methods that have improved student outcomes, and/or reflected the adoption of the PI's methodologies, pedagogy, or curricula by other faculty members.
- Project proposals must:
 - Clearly describe the fundamental teaching and learning issues that are being addressed through the project;
 - Describe how the granted HP technology will contribute to resolving the teaching and learning issues;
 - Have specific plans for progress measurement and documentation; and
 - Have specific plans for communicating the project outcomes, on campus and beyond.

Additional consideration will be given to:

- Projects that have educational technology and instructional leadership support
- Projects that will contribute toward the attainment of the institution's vision and plans for broader deployment of mobile technology solutions in the learning environment
- Projects that involve collaboration among multiple faculty members
- Universities which actively recruit and support women and/or under-represented minorities in mathematics, science and/or engineering courses

Grant Recipient Commitment

In accepting the HP Technology for Teaching grant, recipients agree to:

- Complete the proposed grant project
- Provide the proper IT infrastructure and support to ensure program success, including installation and proper maintenance
- Provide HP with updates on the progress of the project at the end of each term for up to 15 months after the grant has been delivered. To submit progress reports, recipients will create and update a public webpage that describes their project, and provide answers to a brief questionnaire
- Participate in the HP Technology for Teaching Higher Education Worldwide Conference in early 2007 (Funding for travel and accommodations for one participant will be provided by HP; exact dates to be determined)
- Abide by HP's Philanthropy Terms and Conditions of Gift. Terms and conditions will be emailed to invitees before 1 April, 2006.

Intent to Apply

If you feel you meet the eligibility requirements and are willing and able to fulfill the grant recipient commitments associated with this grant, please confirm your intent to apply by sending an email to david.j.eichberg@hp.com by 15 March, 2006.

Message Header: Intent to Apply – HP Latin America Technology for Teaching
In the body of the message, please include:

- The name of the Principal Investigator (PI)
- The PI's email address
- The PI's phone number
- The name of your institution

In March 2006, HP will provide instructions for submitting your proposal. Proposals may be submitted beginning 1 April 2006, but must be submitted no later than 28 April 2006, 5pm Pacific Time.

Required Elements of Your Proposal	Proposals must provide answers to the questions below. Additional content and attachments will not be accepted. Application must be submitted in English.
<i>Institutional Environment</i>	<p>1. Technology vision (150 words maximum):</p> <ul style="list-style-type: none"> a. Describe your institution's vision on the role of mobile technology in the learning environments. b. To assist us in understanding your project, please let us know on a scale of 1 to 5, with 1 being just beginning and 5 being advanced deployment, in terms of how far along your campus is on the road to achieving its mobile technology vision. HP is interested in projects at all stages of deployment. <p>2. Synergy (150 words): How will the project you are proposing for this grant help you make a substantial contribution toward achieving the educational technology vision on your campus?</p>
<i>Academic and Instructional Leadership</i>	<p>3. Academic leadership (150 words maximum): Describe how you have demonstrated academic leadership, as evidenced by 1) the adoption of your teaching methodologies, pedagogy, or curricula at your institution, or 2) other tangible evidence</p> <p>4. Instructional leadership (150 words maximum): Describe how you have demonstrated instructional leadership, as evidenced by, 1) course changes have you made, in response to student needs, that have improved student outcomes in your courses, or 2) other tangible evidence</p>
<i>Project Details</i>	<p>5. Project Name: A brief title for your project</p> <p>6. Project executive summary (200 words maximum): Provide a high-level overview of your project in an executive summary. Describe how students will benefit from the course redesign and the application of mobile technology.</p> <p>7. Teaching and learning issues (200 words maximum): Describe the fundamental learning and teaching issues that the project addresses (i.e. why is this project important for your students and instructors?)</p> <p>8. Goals, objectives and outcomes (200 words maximum): Describe the project goals, objectives, and anticipated outcomes from the perspective of impact on student learning</p> <p>9. Measures (200 words maximum): What indicators of advancement in student learning will be measured and how will they be documented?</p> <p>10. Project timeline: Describe the project timeline and milestones</p> <p>11. Technology integration (200 words maximum): Describe how you plan to use the granted HP products to support the goals of your project and how will the granted HP technology contribute to resolving the fundamental problem or opportunity this project addresses</p>
<i>Project Context</i>	<p>12. Course impacted (100 words maximum): Describe the course or courses that will be re-designed for this project (include course number). Course # Required _____ Course Level Required : _____ Undergraduate _____ Graduate</p> <p>13. Course redesign (200 words maximum): Describe how the course will be altered to</p>

take advantage of the technology

14. Department where course resides: This is a core course in one of the following departments:

Mathematics, Science (environmental, physical, earth or computer sciences),

Engineering (EE, ME, Materials, Computer, or IT), M.B.A.

15. Faculty (25 words maximum): How many professors/faculty will be directly involved in this project?

16. Students (25 words maximum): Approximately how many students will be impacted during the first full year of this pilot project implementation? How many students are women?

17. On-going student impact (25 words maximum): Approximately how many students will be impacted per academic year when this course design is fully implemented? What percentage of these are estimated to be women?

**Project Support and
Visibility**

18. Campus involvement (100 words maximum): How will your campus educational technology and instructional leaders be involved in this project? What other departments or functions, if any, will provide support to the project?

19. IT infrastructure: The environment where my project will be deployed has an IT infrastructure with Internet access that can accommodate an 802.11b/g Access Point [Yes/No]

20. IT support (50 words maximum): Describe the support the IT department has committed to providing to this project (such as support for networking, Tablet PC imaging, onsite help, etc.)

21. Project visibility (100 words maximum): Please describe your interest in and method for developing visibility for the project on your campus and beyond (publications and presentations at academic events, industry events, etc.).

22. Please provide the following contact details:

Principal Investigator: Name, title, discipline, address, phone, fax, e-mail

Secondary Contact: Name, title, discipline, address, phone, fax, e-mail

Additional Team members: Name, title, role on project, e-mail address

Institution Name: Legal name, mailing address, phone, fax

Institution Mission Statement: describe the mission of the institution

Tax Exempt-___ Yes; ___ No: If tax exempt, please provide evidence

23. Shipping Instructions: Individual's name, phone, fax, e-mail, shipping address for equipment delivery. (A physical address is needed to deliver HP equipment; no P.O. boxes, please!)

Deadline for Submission

Proposals may be submitted beginning 1 April 2006, but must be submitted no later than **28 April 2006, 5 p.m. Pacific Time.**

Notification of Recipients

You will be notified by HP of your proposal status via e-mail.
HP will make award announcements no later than **31 May 2006.**

About HP

HP is a technology solutions provider to consumers, businesses and institutions globally. The company's offerings span IT infrastructure, global services, business and home computing, and imaging and printing. For the four fiscal quarters ended Oct. 31, 2005, HP revenue totaled \$86.7 billion. More information about HP (NYSE, Nasdaq: HPQ) is available at www.hp.com.

For Further Information

Contact David Eichberg: david.j.eichberg@hp.com