ITS Executive Steering Committee (ITESC)

Agenda and Materials
October 7, 2010
Agenda

• Global Initiatives Task Force
  – C. Scheidenhelm

• Technology Fee Overview
  – S. Malisch, A. Prokic-Kostic

• Enterprise Architecture / Architecture Review Board
  – J. Sibenaller

• Research Data Center
  – D. Vonder Heide

• Functional Meetings
  – S. Malisch
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Online Course Initiative: Summer 2011

• **Goal 1**: to provide online summer opportunities for courses frequently taken elsewhere by Loyola students.

• **Goal 2**: to prepare faculty teaching these courses to envision, develop and deliver quality courses.

• **Goal 3**: to build a cohort of online faculty who can function as mentors for colleagues.

• **Goal 4**: to develop a collection of quality, online courses that can be taught by other LUC faculty.
Process

• Develop and teach 5, 2-hour workshops
• Create online readiness materials for students
• Design and deliver a technology infrastructure for Adobe Connect (synchronous delivery medium)
• Create “Online Initiatives” website, with FAQs and resources.
• Develop an assessment program for the components of the initiative
Timeline

Summer 2011 Cohort

- Teaching online courses
- Develop online course content; participate in online community
- Hands-on technology and pedagogy training

- Sep
- Oct
- Nov
- Dec
- Jan
- Feb
- Mar
- Apr
- May
- June
- July
- Aug

2011
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## FY10 Technology Fee Summary

<table>
<thead>
<tr>
<th>FY10 Technology Fee Breakdown</th>
<th>Amount</th>
<th>% of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>ResNet/Lab Support</td>
<td>$100,000</td>
<td>6%</td>
</tr>
<tr>
<td>Telecomm/Internet*</td>
<td>$245,000</td>
<td>14%</td>
</tr>
<tr>
<td>Membership &amp; Dues**</td>
<td>$23,000</td>
<td>1%</td>
</tr>
<tr>
<td>Software Maintenance*</td>
<td>$340,000</td>
<td>20%</td>
</tr>
<tr>
<td>Student Technology Refresh Programs</td>
<td>$830,000</td>
<td>49%</td>
</tr>
<tr>
<td>Capital Purchases &amp; Special Projects</td>
<td>$152,000</td>
<td>9%</td>
</tr>
<tr>
<td><strong>FY10 Total Spend</strong></td>
<td>$1,690,000</td>
<td>100%</td>
</tr>
<tr>
<td><strong>FY10 Carryforward</strong></td>
<td>$1,010,000</td>
<td></td>
</tr>
<tr>
<td><strong>FY10 Total</strong></td>
<td>$2,700,000</td>
<td></td>
</tr>
</tbody>
</table>

* Denotes Item Formerly Covered by Resnet Budget

** Denotes New Item Formerly Covered by Facilities

### FY10 Summary

- **Student Technology Refresh Programs** 49%
- **Telecomm/Internet** 15%
- **ResNet/Lab Support** 6%
- **Software Maintenance** 20%
- **Membership & Dues** 1%
- **Capital Purchases & Special Projects** 9%
### Criteria Used to Determine Tech. Fee Expense

#### Service/Support/Learning for Students

<table>
<thead>
<tr>
<th>Description</th>
<th>Percentage</th>
</tr>
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<tbody>
<tr>
<td>None</td>
<td>0%</td>
</tr>
<tr>
<td>Partial</td>
<td>25%</td>
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<tr>
<td>Shared</td>
<td>50%</td>
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<tr>
<td>Substantial/ Primary</td>
<td>75%</td>
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<tr>
<td>Complete/Full</td>
<td>100%</td>
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</table>
Technology Fee Category Definitions

• **Service**: Recognizable by students as a service offering
  i.e. Internet/Password Management/E-mail/ResNet

• **Support**: Required to provide a student service or meet institutional requirements
  i.e. Network Connectivity/Device Encryption/Servers/Storage

• **Learning**: Directly related to classroom activity or academic record
  i.e. Student Information System/Learning Mgmt. System
  (grades/classes/schedules/e-portfolios)
FY11 Projected Tech. Fee Category Breakdown

<table>
<thead>
<tr>
<th>Student Category</th>
<th>Amount</th>
<th>% of Total</th>
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</thead>
<tbody>
<tr>
<td>Service</td>
<td>$1,300,000</td>
<td>48%</td>
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<tr>
<td>Support</td>
<td>$565,000</td>
<td>21%</td>
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<tr>
<td>Learning</td>
<td>$320,000</td>
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<tr>
<td>Special/Capital Projects</td>
<td>$515,000</td>
<td>19%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$2,700,000</strong></td>
<td><strong>100%</strong></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Technology Subcategory</th>
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<tr>
<td>Infrastructure</td>
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<td>Solutions</td>
<td>$635,000</td>
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<tr>
<td>Security</td>
<td>$50,000</td>
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<tr>
<td>Special/Capital Projects</td>
<td>$515,000</td>
<td>19%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$2,700,000</strong></td>
<td><strong>100%</strong></td>
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<td>Technology Fee Breakdown</td>
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<td>% of Total</td>
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</tr>
<tr>
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<td>100%</td>
</tr>
<tr>
<td><strong>Carryforward</strong></td>
<td>$1,010,000</td>
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</tr>
<tr>
<td><strong>Revenue Collected</strong></td>
<td>$2,700,000</td>
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**FY10 v. FY11 Budget Projections**

- **ResNet/Lab Support**: FY10 $100,000, FY11 $140,000
- **Telecomm/Internet**: FY10 $245,000, FY11 $250,000
- **Membership & Dues**: FY10 $23,000, FY11 $140,000
- **Software Maintenance**: FY10 $340,000, FY11 $750,000
- **Student Technology Refresh Programs**: FY10 $830,000, FY11 $840,000
- **Reserve for Capital Purchases and Special Projects**: FY10 $152,000, FY11 $515,000
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- Technology Fee Overview
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- **Enterprise Architecture / Architecture Review Board**
  - J. Sibenaller

- Research Data Center
  - D. Vonder Heide

- Functional Meetings
  - S. Malisch
Current State Diagram

Loyola Enterprise Application Data Relationships – 08/01/2009
LUC Technology Strategy - A Roadmap for Change

**Emerging**
- ePortfolio Solutions
- Federated Identity Mgmt (Shibboleth, InCommon)
- Enterprise Conference Calling
- File Storage
- File & eMail Archiving
- File Sharing & Remote File Access
- Online Learning Programs
- Webinar/Online Classroom Tool (Adobe)
- Desktop Productivity (Microsoft Office 2010)
- eFax Solutions
- Antivirus Tools/Virus Protection
- Virtual Private Network
- eMail & Communication Solutions
- Learning Management Alternatives
- eTranscripts Solutions
- Personal Website/Portal (Onion Replacement)
- MS SQL Database (2008)
- Enterprise Database (Oracle 11g)
- Network Access Control
- Network Services (Novell, eDirectory, Active Directory, IDM3)
- Microsoft O/S (Windows 7)
- Distributed Antenna System

**Tactical**
- Room & Event Scheduling (R25 Suite, Kinetics, Groupwise)
- Conference Services (Kinetics)
- Study Abroad Online Application (Custom)
- Desktop Productivity (Microsoft Office 2007)
- Admission Decision Application (UGRAD/GRAD, Custom)
- Learning Mgmt (Blackboard LMS 9.1)
- Web/Content Mgmt Solution (Terminal 4)
- Server Virtualization
- Desktop Virtualization

**Strategic**
- Enterprise Data Warehouse / Business Intelligence
- Enterprise Content Mgmt (DocFinity 10)
- Admitted Student Portal (Custom)
- Housing-Soft Service (RMS Web)
- Mobile Applications (Blackboard, Custom)
- Web Server Platform (Web Logic Suite)

**Containment**
- Student System Reporting (PS RDS)
- Web/Content Mgmt (Serena Collage)
- Enterprise Content Mgmt (DocFinity 9)
- Enterprise Database (Oracle 10g)
- MS SQL Database (2005)
- Microsoft O/S (Windows XP)
- Virtual Private Network (F5 Firepass)

**Retirement**
- eMail (GroupWise 7)
- MS SQL Database (2000)

**Core**
- Student System (PS Campus Solutions)
- Student Portal (PS Enterprise Portal)
- Enterprise Content Mgmt (DocFinity)
- eCommerce System (CBORD)
- Student System Reporting (PS RDS)
- Business Intelligence (WebFocus)
- Learning Mgmt (Blackboard LMS)
- G/L & HR (Lawson)
- Alumni Relations (Advance)
- Predictive Dialing (SmartCall)
- Student Recruiting (Recruitment Plus)
- Housing (RMS)
- Student Loan Mgmt. (ECSI)
- Paymen Gateway (TouchNet Paypath/TPG)

- Faculty Salary Planning (Custom)
- Staff Salary Planning (Custom)
- Wellness Center (Point and Click)
- LUC Libraries (Voyager)
- Access Security (Maxxess)
- Parking (Maxxess)
- Classroom Control System (Crestron)
- Room & Event Scheduling (R25 Suite, Kinetics, Groupwise)
- Web/Content Mgmt (Terminal 4)
- Online Admission Applications (UGRAD/GRAD, Custom)
- Admitted Student Portal (Custom)
- Mobile Applications (Blackboard, Custom)

- Desktop Productivity (Microsoft Office)
- eMail (GroupWise)
- Network Services (Novell, eDirectory, Active Directory, IDM3)
- Network Access Control (Bradford)
- Virtual Private Network (F5 Firepass)
- Enterprise Database (Oracle, MS SQL)
- Spam Filtering (MailFoundry)

- Network (Cisco Core)
- Desktop/Laptop, Standard Intel (Dell, Lenovo)
- Server, Standard (IBM)
- Storage/SAN (IBM SAN)
- Specialized Equipment (Macintosh/Blackberry)
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<tr>
<th>Item</th>
<th>Level</th>
<th>Layer</th>
<th>TAC Owner</th>
<th>ARB Sponsor</th>
<th>Status</th>
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<th>ARB Presentation Date</th>
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<tr>
<td>On-Line Learning Programs</td>
<td>Road-Map</td>
<td>Solution</td>
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<td>Bruce Montes</td>
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<td>Dan Vonder Heide</td>
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<td>09/2009</td>
<td>11/2010</td>
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<td>Enterprise Database (Oracle 11g)</td>
<td>Road-Map</td>
<td>Software</td>
<td>Charlotte Pullen</td>
<td>Kevin Smith</td>
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<td>Solution</td>
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<td>Kevin Smith</td>
<td>Active</td>
<td>03/2010</td>
<td>Q4 2010</td>
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<tr>
<td>File &amp; eMail Archiving</td>
<td>Road-Map</td>
<td>Solution</td>
<td>Jeff Apa</td>
<td>Dan Vonder Heide</td>
<td>Active</td>
<td>03/2010</td>
<td>Q1 2011</td>
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<td>Distributed Antenna System</td>
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<td>Hardware</td>
<td>Bob Heeseman</td>
<td>Dan Vonder Heide</td>
<td>Active</td>
<td>03/2010</td>
<td>Q1 2011</td>
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<td>Learning Mgmt Alternatives</td>
<td>Road-Map</td>
<td>Solution</td>
<td>Carol Scheidenhelm</td>
<td>Bruce Montes</td>
<td>Active</td>
<td>06/2010</td>
<td>Q2 2011</td>
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<td>Software</td>
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<td>03/2010</td>
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<td>Personal Website Replacement (Orion)</td>
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<td>Solution</td>
<td>Jeff Apa</td>
<td>Dan Vonder Heide</td>
<td>Active</td>
<td>09/2010</td>
<td>TBD</td>
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<td>eMail &amp; Communication Solutions</td>
<td>Road-Map</td>
<td>Solution</td>
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<td>Dan Vonder Heide</td>
<td>Hold</td>
<td>09/2010</td>
<td>TBD</td>
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<td>eFax Solutions</td>
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<td>Virtual Private Network / Secure Portal</td>
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<td>Software</td>
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<td>Dan Vonder Heide</td>
<td>New</td>
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<td>TBD</td>
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<td>Student Recruiting (Recruitment Plus)</td>
<td>Road-Map</td>
<td>Solution</td>
<td>Paul Roberts</td>
<td>Kevin Smith</td>
<td>New</td>
<td>TBD</td>
<td>TBD</td>
</tr>
</tbody>
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  – D. Vonder Heide 
• Functional Meetings  
  – S. Malisch
- Virtual Tour
- Governance
- Short Term Planning
- Long Term Planning

Loyola University Research Data Center
• Purpose
• Location
• Square Footage
• Floor
• Design

Dimensions
• 5 and 8 Ton HVAC Units
• Third to Half Cooling Capacity
• Monitoring
Cooling Chillers
• Low Voltage
• Fiber
• Network Connectivity
• Power

Cable Management
• Single ComEd Feed
• 50KVA UPS
• Generator
• 110/220 Outlets
• 850 sq ft of useable space
• Enough cooling for initial 6-8 cabinets
• Ample power with appropriate redundancy
• Committee Charge
• Members
• Current Demand

Governance
Committee Charge
- Limited and Expensive Resource
- Process for Usage, Sustainability and Retirement

Members
Current Demand

Governance
Samuel A. Attoh, Dean of the Grad. School & Assoc. Provost for Res., Chair
Fred Bryant, Psychology
Richard Holz, Chemistry
Susan Malisch, ITS
Tim O’Brien, Math & Statistics
Christine Putonti, Biology
Donna Quirk, SPA
Bill Sellers, Research
George Thiruvakuthal, Computer Science
Dan Vonder Heide, ITS

Committee Members
- Computer Science – 6 Racks
- Chemistry – 2 Racks
- ITS – 2 Racks (Infrastructure)
- Clean Air, Clean Water (CACW) project CUERP
- Chemistry VM server for Paul Chiarelli
- Physics VM server for Robert McNees
- Others??

Current Demand
Short Term Planning
• HPC / Cluster
• Virtualized Server Environment
• Fewer Silos

Long Term Planning
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FY11-FY12 ITESC Schedule

• August 26, 2010 - Thursday, 1:30-3:30 PM
  – DW/BI Program Vendor Recommendation
  – ISAC Information Program Recommendation
  – ATC Subcommittee FY11 Agenda
  – Research Data Center

• October 7, 2010 - Thursday, 1:30-3:30 PM
  – Global Initiatives Task Force
  – Technology Fee Overview
  – Enterprise Architecture / ARB
  – Research Data Center
  – Functional Meetings

• November 18, 2010 - Thursday, 1:30-3:30 PM
  – LUMC Update
  – Technology Briefing & Scorecards
  – Project Portfolio Prioritization

• January 5, 2011 - Wednesday, 1:30-3:30 PM
  – Subcommittee Reports
  – Project Portfolio Prioritization Results

• February 17, 2011 - Thursday, 1:30-3:30 PM
  – LUMC Update
  – Major Projects Status Reviews

• March 31, 2011 - Thursday, 1:30-3:30 PM
  – Subcommittee Reports

• May 26, 2010 - Thursday, 1:30-3:30 PM
  – Project Portfolio Prioritization

• July 7, 2011 - Thursday, 1:30-3:30 PM
  – Project Portfolio Prioritization Results
  – LUMC Update

• August 11, 2011 – Thursday, 1:30-3:30 PM
  – FY13 Budget Input from Subcommittees

• September 22, 2011 - Thursday, 1:30-3:30 PM
  – Subcommittee Reports

• November 10, 2011 - Thursday, 1:30-3:30 PM
  – Technology Briefing & Scorecards
  – LUMC Update