Information Technology Guidance Committee

Preliminary Classification of December 2006 Working Group Recommendations in the Context of the UC Information Technology Ecosystem Framework (See http://www.universityofcalifornia.edu/itgc/ for detailed work group report recommendations.)

Work Group	Recommendations	Components of a Viable UC Information Technology Ecosystem				
		Organizational Leadership	Support UC's Mission	Strategic Innovation	Effective UC Operations/Services	Technical Infrastructure
Advanced Networking Services	Develop a comprehensive set of tools and services that enhances collaboration within the University, as well as between members of its community and the people they work with around the world.		●	●		●
	Implement end-to-end support services, including a network measurement infrastructure, with CENIC and other regional/national networks.	●		●		●
	Implement high-bandwidth network connectivity among the campuses and to national routed backbone networks. Enhance UC's High Performance Research and Experimental networks with capabilities for dedicated, private networks and "light paths" among campuses and to national and international networks.		●			●
	Sustain UC Leadership in Advanced Network Services (via ongoing funding and capacity planning strategies)	●				
Common IT Architecture	Develop and communicate system-wide IT architectural standards and guidelines via the newly formed UC IT Architecture Group (ITAG).	●		●	●	●
	Endorse a "hybrid" development and deployment model for system-wide applications to support an evolutionary migration from UC's legacy application environment to a Service Oriented Architecture framework.	●			●	
	Implement a common authentication mechanism (UCTrust) for systemwide applications wherever possible.				●	●
High Performance Research Computing	Create UC Grid to enable sharing of the University of California's research computing resources.		●	●		●
	Create a cyberinfrastructure-enhanced IT infrastructure in support of all research and scholarship at UC.		●			●
	Implement strategies that encourage sharing of IT resources in support of research and scholarship when it is appropriate and feasible.	●	●			●
	Create a data storage infrastructure within UC Grid.		●	●	●	●
	Describe the University of California's current and future research cyberinfrastructure strategy and capabilities.	●	●			
IT in Student Experience	Partner with key UC stakeholder groups to facilitate broad discussions and to develop strategies to enhance the UC student experience using information technology. Encourage dialogue and collaboration that cuts across a wide range of functional areas.	●.	●	●		

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		Organizational Leadership	Support UC's Mission	Strategic Innovation	Effective UC Operations/Services	Technical Infrastructure
Instructional Technology	Build organizational structures and processes to align with vision	●	●		●	
	Develop policies and practices that are a source of innovation			●		
	Allocate resources to drive strategic innovation in instruction		●	●		
	Develop and implement infrastructure, organization, and policy frameworks to position UC to be a key participant in the open educational resources (OER) movement		●		●	
	Establish a UC executive-level Instructional Technology leadership position as first step in building a strong systemwide structure	●	●			
	Develop a UC-wide framework for identifying and implementing common standards for interoperability of systems that support the learner experience	●	●			●
	Hold an annual systemwide conference on teaching, learning & technology as well as summits on topics of strategic interest , including innovative learning spaces and repositories.	●	●	●		
Stewardship of Digital Assets	Provide institutional leadership and support for stewardship of academic information resources when these initiatives would (a) enhance the quality and competitiveness of UC's research, teaching and service programs and/or (b) mitigate or help manage significant institutional risks		●		●	●
	Ensure that the University's information technology infrastructure is "stewardship-enabled", i.e. supports the development of stewardship services, standards and protocols.	●				●
Cross-cutting Recommendations[1]	Establish a system-wide IT governance structure that interacts with campus IT governance structures to ensure alignment and appropriate resource and fund allocation.	●				
	Establish a multi-tier, coordinated infrastructure of IT professionals who support the University community in the use of IT resources.	●			●	
	Establish a system-wide capacity for the "incubation" of new technologies and services for use throughout UC.	●		●		
	Establish predictable funding models to ensure that IT infrastructure and applications that support required UC business processes continue to provide stable, secure service.				●	●
	Provide rewards and incentives for adoption of new IT-based tools and services (e.g. instructional innovation and research computing services)	●	●	●		

[1] These "recommendations" have emerged from discussions with the ITGC and others as essential for foundational support of UC's IT ecosystem, but either did not come forward from the Working Groups or applied more broadly (e.g., Recommendation 2, which originally arose from the Advanced Networking group).