

## Teaching with Technology Landscape (10/30/07)

Pedagogical Goals	Tool Options	Advantages	Disadvantages	Some Faculty Users	IT Support
<p><b>1. Expanding the Classroom Walls</b></p> <p>Posting materials online on websites for use outside and inside classroom; using posted materials in a smart classroom</p>	<p>LMS (Learning Management System) Blackboard/WebCT/Vista4</p> <p>(Blackboard bought WebCT; the new version of the Blackboard Learning System is Vista 4, which UMB will begin using in S08)</p>	<p>Available to all faculty; full functions including discussions, blog, journal; long-term IT support</p>	<p>Not available to students when semester ends; student postings not saved past semester; audio/visual material not linked from other websites must be uploaded by IT (John Jessoe) not by individual faculty)</p>	<p>All online courses (150) and 300+ web-enhanced. (Lynnell Thomas—posting; Mitchell Silver—anonymous peer review; Gonzalo Bacigalupe—all functions; Janna Jackson—extensive use in web-enhanced course</p>	<p>All LMS support for consultations, general questions, technical advice through <a href="mailto:lms@umb.edu">umb.lms@umb.edu</a></p> <p>Team contact info at <a href="http://www.umb.edu/it/tech/lms/staff.html">www.umb.edu/it/tech/lms/staff.html</a></p> <p>Valerie Carroll (LMS director)</p> <p>Eileen McMahon (Vista 4)</p> <p>Ray Melcher (WebCT to Vista 4 workshops); Robert Risse, one-on-one support in faculty offices.</p> <p>Smart classrooms scheduled through departments</p>
	<p>UMB faculty website (with MS Word or Contribute)</p> <p><a href="http://freshman/gened/litan">freshman/gened/litan</a></p> <p>dwriting websites (with Contribute)</p> <p><a href="http://www.freshman.umb.edu">www.freshman.umb.edu</a></p> <p><a href="http://www.litandwriting.umb.edu">www.litandwriting.umb.edu</a></p> <p><a href="http://genedseminars.umb.edu">http://genedseminars.umb.edu</a></p>	<p>Available to all faculty; permanent; good for giving students web access to materials</p> <p>Friendly interface; student and class portfolios for sharing and commenting on writing; permanent; easy to learn; program-based portal (May be available beyond these programs for those who want portfolio function.)</p>	<p>No other built-in functions</p> <p>Primarily for these courses up to now; somewhat limited server space means other options are better for posting resources only; no discussion, assessment, grading</p>	<p>Brian White, Nancy Stieber, Gary Zabel, Chris Bobel</p> <p>Laurie Marks, Louise Penner, Estelle Disch</p> <p>Using posted student writing in class: Joyce Peseroff, Ellie Kutz</p>	<p>Jessica Downa, Media Center,</p> <p>Faculty support—Laurie Marks; IT support—Irene Yukhananov; Ellie Kutz</p>
	<p>Department Websites</p>	<p>Program-based portal</p>	<p>Use is restricted; mostly for posting materials</p>	<p>Chemistry</p>	<p>Department support</p>



	Library Wikis	For departments and faculty for posting materials	One function	Chris Bobel	Library staff support
	Commercial: Geocities and others	Easy site building plus hosting; available to all (good for student projects)	Limited data downloads; fee for more.	Ellie Kutz (some experience with Geocities for students)	
<b>2. Extending communication &amp; collaboration with communications tools:</b> <b>a. Asynchronous</b>	Blogs (blogger, LMS/Vista blog and journal)	Good for students making longer posts, shorter responses; blogs are developing as a public genre to be read, studied; with blogger, students can create their own, add links, images	One function (can be linked on a website)	Ellie Kutz	<a href="http://www.medialounge.umb.edu/mediaweb/index.php">http://www.medialounge.umb.edu/mediaweb/index.php</a> has information on these and many other tools (Media Center, Jessica Downa) LMS support at <a href="mailto:umb.lms@umb.edu">umb.lms@umb.edu</a>
	Wikis (pbwiki; wikispaces.) Media Services will add a new server to host wikis through Darwin Open Source (S08?)	Good tool for creating collaborative multi-page documents, sharing documents, or for individual projects; Also useful as an alternative to a teacher website (allows links, images, etc.)	One function (can be linked on a website)	Catalin Zara (students compile notes from lectures); Laurie Marks (students share writing); Louise Penner (individual student projects); Ellie Kutz (collaborative summaries of discussions); Peter Taylor	Eileen McMahon; Jessica Downa
	Googledocs	Good tool for creating/sharing/editing documents (easier for shorter documents)	One function (can be linked on a website)	Committees (ACOC)	
	Discussion/message boards Google groups; quicktopic.com ; LMS	Good tool for creating threads of online conversation by topic—e.g. discussing a reading	Commercial sites have 1 function; LMS/Vista can be linked to rubric, gradebook.	Ellie Kutz (Google)  Many users in LMS	Eileen McMahon, Ray Melcher, Robert Risse
	Listserve (Yahoo groups) Internal mail (LMS)	Emails shared with a group. Good for class announcements and sharing specific info.	One function	A yahoo groups listserve has allowed faculty users of the LMS (WebCT/Vista) to share info. <a href="mailto:umbfaculty@yahoo.com">umbfaculty@yahoo.com</a>	Eileen McMahon

	Other social networking tools like Facebook and Myspace are for educational purposes	Instant text exchanges. Good for small groups to discuss a project online.	One function	Students sometimes work through IM spontaneously;  Many users in the LMS	Eileen McMahon, Ray Melcher, Robert Risse
<b>2b. Synchronous</b>	Instant Messaging: Windows Live Chat Google Talk AOL IM Chat in LMS for whole class or subgroups	Available to all within the LMS; integrated with the LMS	Not available outside the LMS	All online course faculty	Gene Swalb Irene Yukhananov Alan Girelli
<b>3. Sharing and responding to student writing</b>	LMS/Vista	Students can post work to discussion for others' comments; create a temporary portfolio; faculty can create peer response rubrics for peer grading; anonymous posting and commenting is possible; not available outside course	Discussion interface is awkward for this purpose; posted work and comments disappear after semester	Mitchell Silver (anonymous peer response assignments). Other BLS users?	Eileen McMahon
	Blogs, wikis, googledocs	Can be set up for student writing and response, possibility of anonymous posting and response	Not linked to other functions	Laurie Marks (wiki); Ellie Kutz (blogger)	Laurie Marks; Ellie Kutz
	MS Word track-changes and comment functions	Instructors and students can comment within a document, share documents and comments via email.	Not linked to other functions	Laurie Marks; Ellie Kutz	Laurie Marks; Ellie Kutz

<p><b>4. Constructing problems and assessments; surveys</b></p>	<p>E-portfolios (not currently available at UMB, except for small pilot project, but may be added)</p> <p>Respondus LMS (WebCt/Vista) Webworks (being used in math) Aplia (being used in economics) SurveyMonkey (free for small surveys)</p>	<p>Would allow students to create one portfolio to carry throughout their academic career</p> <p>Assessment creator w/in LMS and Respondus (linked to LMS) can be used to create different types of questions, score assessments, also surveys; Discipline-specific software allows creation of more advanced problem sets. SurveyMonkey is easy commercial tool with good display of results, web link</p>	<p>LMS and Respondus too limited for some fields.</p>	<p>Respondus and LMS—many LMS users</p> <p>Catalin Zara (Math); Adugna Lemi (Aplia, economics)</p> <p>SurveyMonkey—Ellie Kutz</p>	<p>Eileen McMahon</p>
<p><b>5. Bringing library and web resources to the classroom and guiding Web-Based Student Research</b></p>	<p>Library tutorials, electronic reserves, databases, wikis for departments and courses with Wikispaces</p> <p>Webquests: Some free; Questgarden is well-designed (small cost)</p> <p>Refworks (available through library databases); Zotero (free, open source)</p> <p>RSS feeds, Yahoo Pipes</p>	<p>Many essential resources; wikis constructed by library staff</p> <p>Allows guided web inquiry with useful assignment templates; can place links on a website or wiki</p> <p>Allow faculty and students to construct bibliographies, take notes, organize folders of research-related materials</p> <p>Allow continuous updating of information from selected sources to a web page.</p>	<p>Wikis not set up as a collaborative tool.</p>	<p>Patricia Raub, Chris Bobel</p> <p>Ellie Kutz</p>	<p>Library staff: Joanne Riley is creating department and course wikis</p> <p>Eileen McMahon (IT) Jeremy Seiferth (library)</p> <p>Jessica Downa</p>

<p><b>6. Creating presentations (faculty and students)</b></p>	<p>PowerPoint Adobe Presenter (Breeze) adds voice to PowerPoint</p>	<p>Allows clear and long-term presentation of material, small lectures and mini-lessons helpful in online courses; makes student presentations more engaging.</p>	<p>“Death by PowerPoint” if not used carefully</p>	<p>Chris Bobel, Lynne Tyrell</p>	<p>Catherine Ananis (PP) Gene Shwalb (Breeze)</p>
<p><b>7. Using multimedia to support multi-modal learning</b></p>	<p>Wikis</p>	<p>Students can combine text, images, links to audio/video, on online site.</p>	<p>Images can engage students, support learning, critical analysis</p>	<p>Louise Penner</p>	
	<p>Images-capturing online images: Captivate, Camtasia (in UMB Media Center ) Snagit (small cost); Image editing software: Picture manager in MS Office; Adobe Photoshop and scanners in Media Center See digital image sources at <a href="http://www.medialounge.umb.edu/mediaweb/webdesign/imageresources.php">http://www.medialounge.umb.edu/mediaweb/webdesign/imageresources.php</a></p>		<p>Students need to be made aware of copyright issues.</p>	<p>Stephanie Kamath; David Areford, Ann Blum, Nancy Stieber (on faculty web page)</p>	<p>Jessica Downa (Media Center) <a href="http://www.umb.edu/it/tech/mediacenter/index.html">http://www.umb.edu/it/tech/mediacenter/index.html</a> Graduate and Faculty Research Center</p>
	<p>Audio files: Audacity (free software for audio-editing); Some audio resource links: speeches, authors, NPR at <a href="http://www.litandwrit">http://www.litandwrit</a></p>	<p>Audio files can engage students. (Useful for analyzing discourse.)</p>		<p>Ellie Kutz</p>	<p>Jessica Downa</p>

	<a href="http://www.umb.edu/eng1697/su07/resources.htm">ing.umb.edu/eng1697/su07/resources.htm</a> Podcasts can currently be created at Media Center						
	Video files—links to existing files (Youtube) Adding text to video Making streaming videos	Valuable teaching tools			Estelle Disch; Chris Bobel  Bill Hagar		Jessica Downa John Jessoe (full audio/video production)  Jessica Downa
	Photostory—combines narration, images, audio	Supports creative work, digital storytelling					Jessica Downa
<b>8. Drawing on existing teaching materials available online</b>	Learning repositories (sharing of content/curriculum): Merlot (a peer-reviewed college level curriculum sharing site) NSF MIT/UMB Open Courseware project	Access to well-conceptualized and innovative courses and materials			A number of UMB faculty in the open courseware project: eg. Catalin Zara		Eileen McMahon
<b>9. Creating accessible sites and course content</b>	Through Ross Center, Adaptive Computing Lab <a href="http://www.umb.edu/it/tech/labs/adaptive/index.html">http://www.umb.edu/it/tech/labs/adaptive/index.html</a>	Accessible content, tools, hardware for students with disabilities			Mary Brady		Valerie Haven

10. Trying out new tools	Podcasts (UMB will participate in iTunes U) Mashups (integrating functions of more than one web tool), Second Life (virtual reality)	Potential teaching tools being explored. Interested faculty may be able to participate in pilots for iTunes U, join a user group for exploring educational uses of Second Life	Mary Hopper (Instructional Design)—Second Life	Jessica Downa, Eileen McMahon Graduate and Faculty Research Lab for mashups.
--------------------------	--	--	--	---

### Support information

**Educational Technology Division** (Aparva Mehta, Director)  
**Learning Management Team** (Valerie Carroll x76489, Eileen McMahon x73998, Ray Melcher x76963, Robert Risse x75983, Irene Yukhananov x73916, Gene Schwalb x73916) [www.umb.edu/it/tech/lms/staff.html](http://www.umb.edu/it/tech/lms/staff.html)

**Media Center** (Mary Simone, Jessica Downa) x75977; <http://www.umb.edu/it/tech/mediacenter/index.html>  
**Graduate and Faculty Research Center** (graduate student tech support) x75227; <http://www.umb.edu/it/tech/labs/grad/index.html>)

### Video Production:

John Jessoe (Video) x75981  
Alan Girelli (Wimba) x75419

**Faculty Liaison** (part-time) Ellie Kutz ([Eleanor.kutz@umb.edu](mailto:Eleanor.kutz@umb.edu), x76734)