

Portal and Academic Web Services Planning Matrix
Updated 1/29/2001

AAAAAA BBBB CCCCC DDDDD
Solutions (Quick to Long-term) **

#	Web-based Operations	Comments	No-authentication		Custom authentication		Portal: Display only		Portal: Interaction	
				R		R		R		R
1	Authorization changes (ULID, pin, etc.)	Single sign on (including digital signatures)			ULID changes thru LDAP	9				Synch LDAP w/mainframe & data warehouse info
22d	Alumni information: Career mentoring	Uses 3rd career network server	Manual e-mail system for mentoring opportunities	9	3rd party solution	1				Current student and alumni access to mentoring opportunities
3	Address Change									Make address & other changes online
2	Online admissions tracking	Give students online updates on progress			Web page progress report	1				Solve ULID issues for pre-admit access to portal & policy issues
22c	Alumni information: Faculty/staff queries	Campus dbase on mainframe			Accounting info only	1				Search on individuals & corporations
8	Registration--Course enrollment						Display a student's classes	1		Student can register for classes(2); Ss reserve classes for future semesters (3)
6	Scheduling--staff issues	(1) data changes, (2) build schedule online, (3) linkages			Some online data changes	1	Interface w/WebCT for syllabi, etc.	2		Build scheduling online w/linkage to resources
5	Online Admissions--Grad	Need to consider variety of types of applicants			Implement Grad admissions	1	Staff queries of Grad admissions info (SSA21)	3		
13	Grade Processing and Collection	Progress & semester grades (APA and end-of-term)			Online submission of grades by faculty with file transfer	1				Online submission thru web form w/upload-by-file option
21	Student elections				Third-party solution	1				ISU inhouse solution
7	Textbook Processing		Web listings	9			Listings linked to classes for faculty & students	2		
10	Registration--Confirm Attendance									Yes or No "I'm coming this semester" w/auto email reminders
14	Student Grades						Display of a student's grades w/fill-in-blank GPA calc	2		Advisor & student online planning w/GPA calculator
18	Transfer Courses				Display of Articulation Handbook	2				Match to Ss transcript; fit to ISU major
9	Registration--Course offerings		Improve web placement & format of existing info	2						Personalized list of courses based on degree audit info
12	Financial Aid						Students can view status reports (satprog & others)	2		Student satisfactory progress appeals can be done online
22a	Alumni information: email accounts	Currently uses 3rd party for life-time email			Evaluate long-term effectiveness of solution	2				Integrate with campus e-mail
20	Payment of Fees and Tuition	E-commerce piece needed here; involves cashier's office	State E-Pay	9						ISU e-Commerce solution
4	Online Admissions--UG				Online admissions for UG students	9	Staff queries of admissions info (SSA21)	3		
11	Registration--Teacher Ed Admission									Teacher candidates apply online
19	Application for Degrees									Apply online w/credit card
15	Co-curricular transcript	D&E short-term project (looking for outsource package?)			Possible outsourced package through 3rd party	3				On-campus solution w/student selection of options; pre-entry from other systems; w/verification
17	Degree audits and advising						Display of classes and grades w/some what-if options	3		student can build "myPlanOfStudy" with what-if scenarios(4); new major/minor changes online(5)
16	Transcripts	Online requests and processing	Web form w/credit card; manual status check for fees owed, etc.	3						Web form w/credit card; auto online status check for fees, etc.
24	Online surveys									3rd party package (policy issues to be resolved)
23	Parking applications, fees, and fines; library fees/fines, etc.	Waiting list for reserve spots as well; parking webCAMs					View fees, fines, etc.	4		Apply online
22b	Alumni information: alumni queries	Uses 3rd party vendor system			Alumni interact thru 3rd party; manual to ISU	9				

Infrastructure Issues

25	Campus Web Portal	[1 or 2]
26	Enhanced LDAP and single-signon authentication	[1]
27	Encryption and digital signatures	[1]
28	Security	
29	Credit card transactions	[3]
30	Imaging of Documents	[3] Paperless process; OCR; critical for input of forms
31	PDA support & web clipping	[4]

Solutions:

(1) non-authentication = solutions that are web display-only viewable by the public;
 (2) custom authentication = short-term solution where authentication to view content is done on an application-by-application basis;
 (3) portal: display only = long-term solution with single-signon/authentication for all personal information display;
 (4) portal: interactive = single-signon/authentication for interactive web pages where the end-user can enter information as well as read information.

Ratings:

9 = already implemented
 1 = must do first, absolutely mission critical;
 2 = critical, but things above more important;
 3 = important, but not critical as above;
 4 = if everything else is done, let's do these;
 5 = not critical, can wait.