COURSE EVALUATIONS: IN-CLASSROOM VERSUS ON-LINE

Are the Response Rates and Results Different?

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Hyatt/Chouteau A, Mezzanine Level Tuesday, June 5, 2007 4:00-4:40 pm

PRESENTATION OUTLINE

ACTION

- The University: A Brief Introduction
- The Institutionalizing Process: History and Politics
- The Practice: Course Evaluations in Banner

RESEARCH

- Research Question: Response Rate and Results
- Review of Literature: Findings and Limitations
- Research Methodology: Mixed Method
- Findings and Conclusions

WHAT'S NEXT?



The University of La Verne: An Introduction

- Private University Comprised of Colleges of: Arts & Sciences, Business and Public Mgmt., Education, and Law
- Founded in 1891: Church of the Brethern
- Location: City of La Verne, Southern CA, Los Angeles County
- Carnegie Classification: Doctoral, Research Intensive
- The Campuses: Central (Residential) Campus with CAPA (Non-Traditional Adult), 12 Regional Campuses, and ULV On-Line
- **Students**: 4,099 Undergraduate; 3,718 Masters; and 511 Doctoral Students as of Fall 2006
- Course Schedules: 5 Different Terms and/or Semesters
 Calendars: Traditional 15-week, CAPA 20-week, Law 18-week, Regional
 Campus 11-week, and Education 11-week

The Institutionalizing Process: History and Politics

• The Window of Change:

Scantron Breakdown; Limited Resources and Staffing

•Faculty Perspective:

Academic Freedom; Use of Course Evaluations

·Political Environment:

Faculty Control versus Student Control

•Political Process:

Academic Assessment Committee; Faculty Assembly



The Practice: Course Evaluations in Banner

- The Survey Instrument: Questionnaire with 22 Quantitative and 4 Comment Questions
- Banner Forms and IR Setup:

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#1 Question Setup Form#2 Main Schedule Setup Form#3 Overwrite Form for #2 for Special Courses
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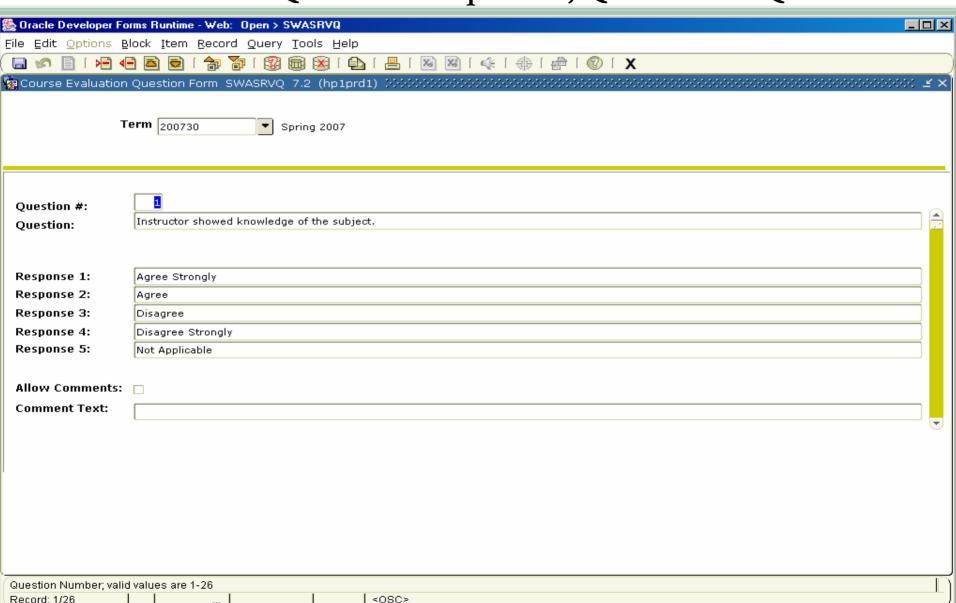
• Student Access: Select and Submit

#4 Term Control Form

- Faculty Access: Remind and Monitor
- IR Data Processing: MS Access Programming
- The Course Evaluations Output: A Sample



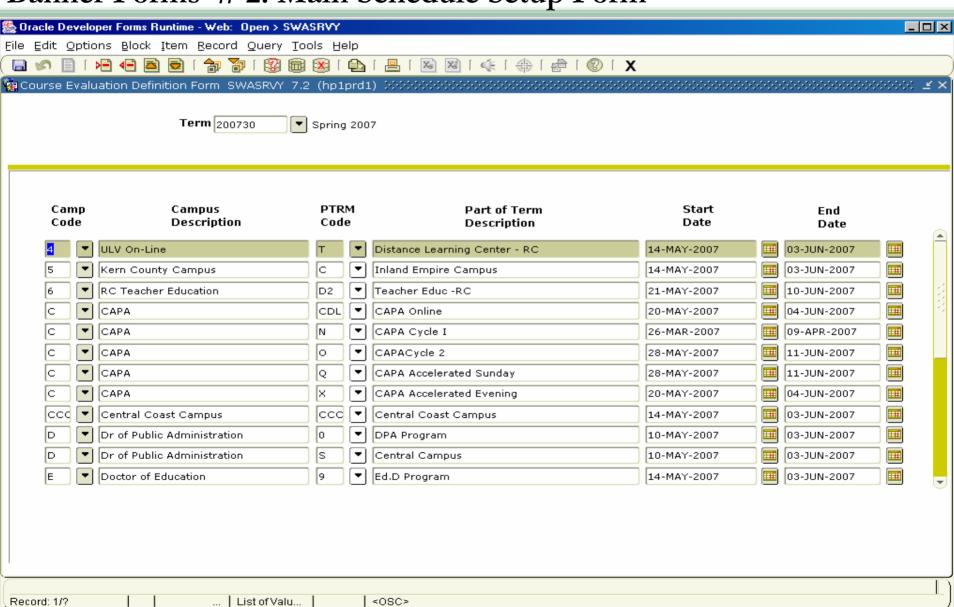
Banner Forms #1: Question Setup Form, Quantitative Question



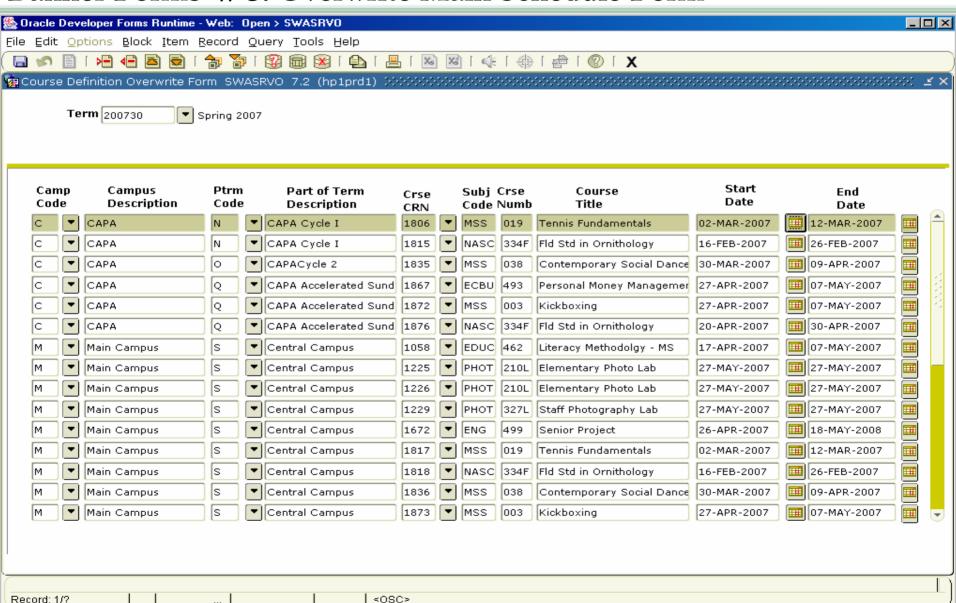
Banner Forms #1: Question Setup Form, Comment Question

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Response 1:		
Response 2:		
Response 3:		
Response 4:		
Response 5:		
Allow Comments: 🐷		
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Banner Forms # 2: Main Schedule Setup Form



Banner Forms # 3: Overwrite Main Schedule Form

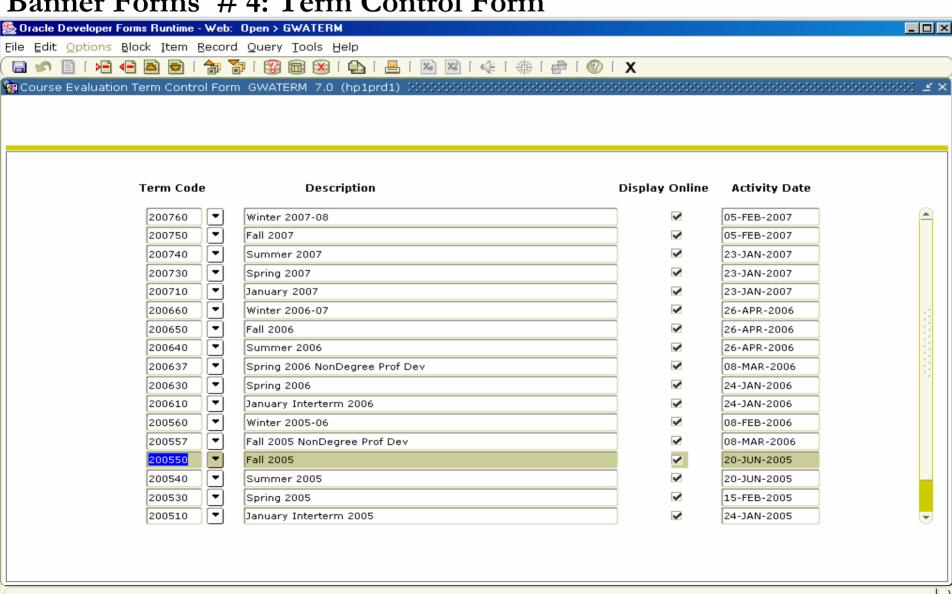


Banner Forms # 4: Term Control Form

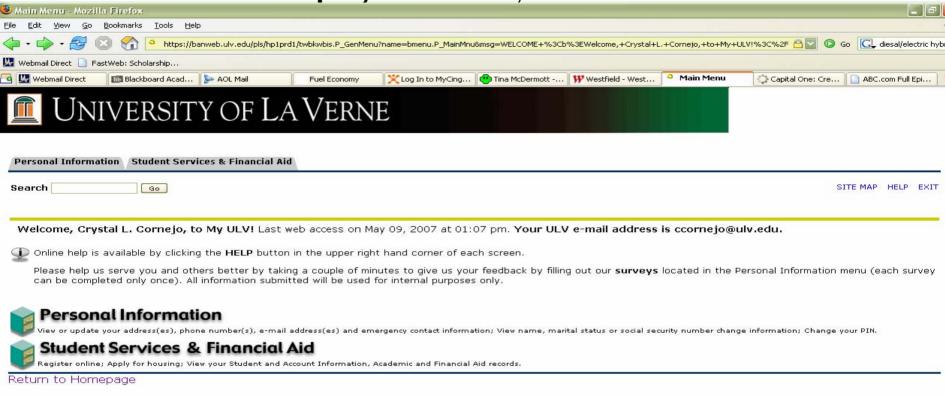
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Record: 14/19



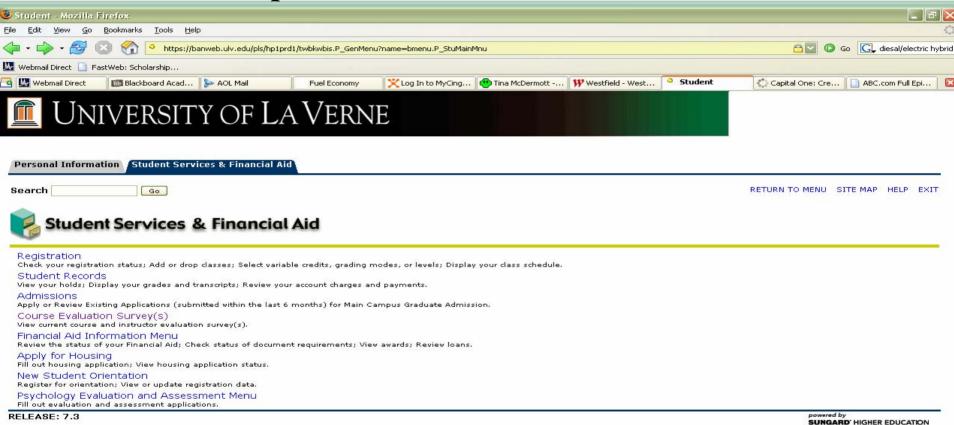
Student Access: Step 1, Enter MyULV Secure Area



SUNGARD' HIGHER EDUCATION

RELEASE: 7.3

Student Access: Step 2, Enter Student Service Area

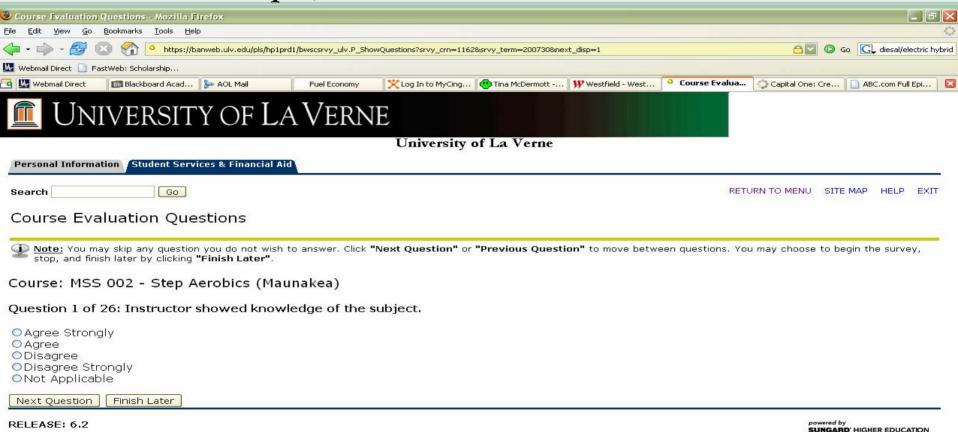


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Student Access: Step 3, Enter Course Evaluation Survey Area



Student Access: Step 4, Select and Submit Course Evaluations



Student Access: Step 5, Print Receipt If Needed

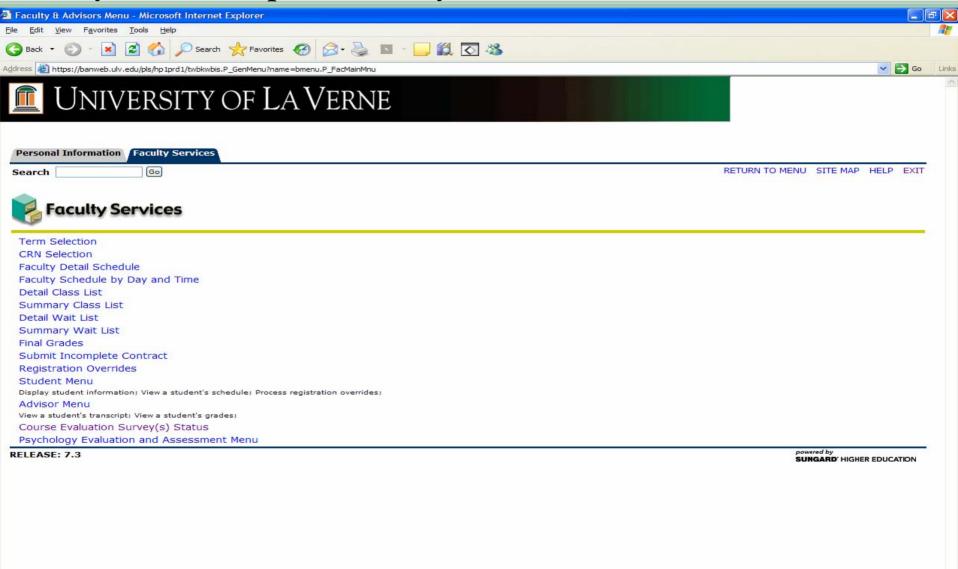


Done

RELEASE: 6.2

SUNGARD' HIGHER EDUCATION

Faculty Access: Step 1, Enter MyULV and Course Evaluation Service

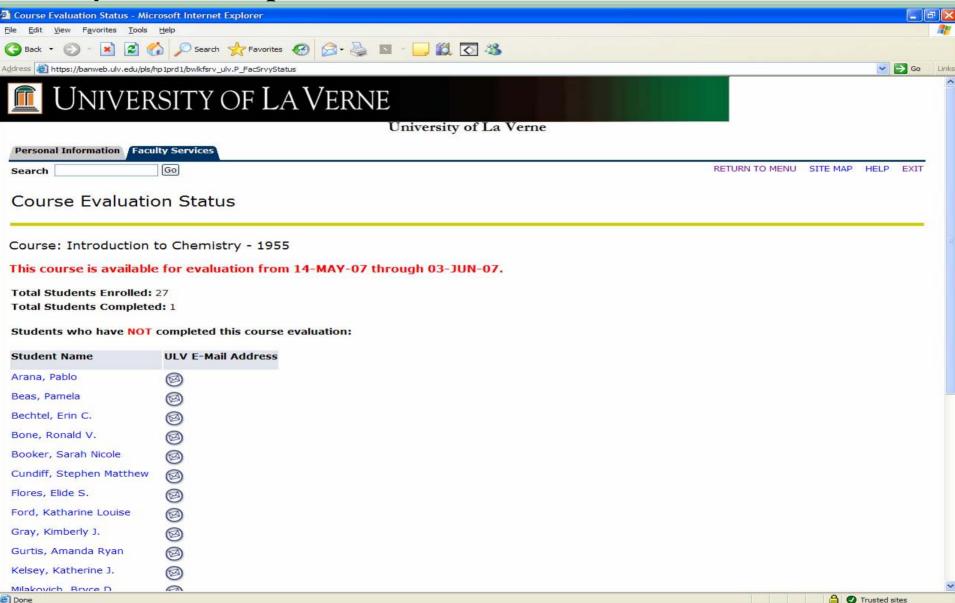


Trusted sites

Faculty Access: Step 2, Select Course to Review

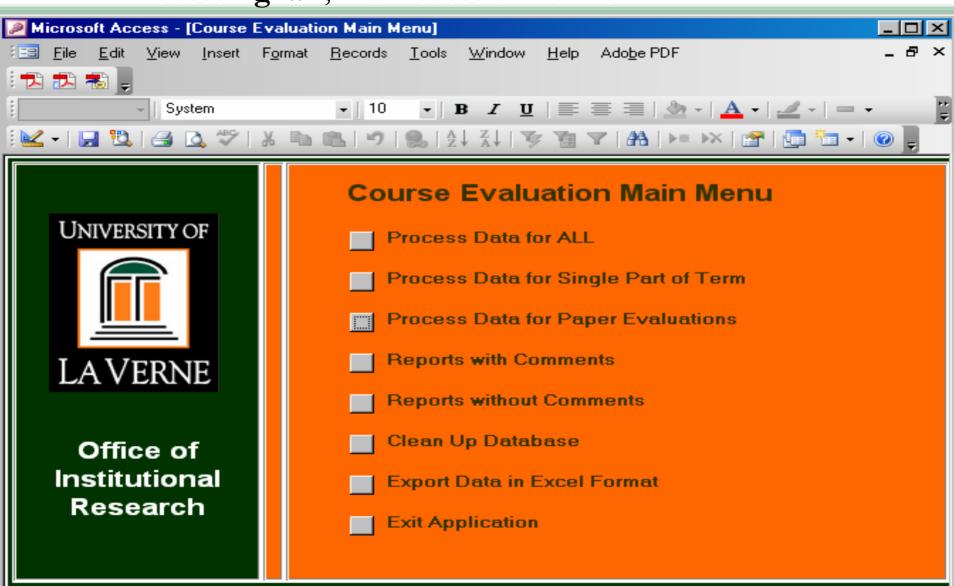


Faculty Access: Step3, Check Course Evaluation Status



IR Data Processing: #1, MS Access Switchboard

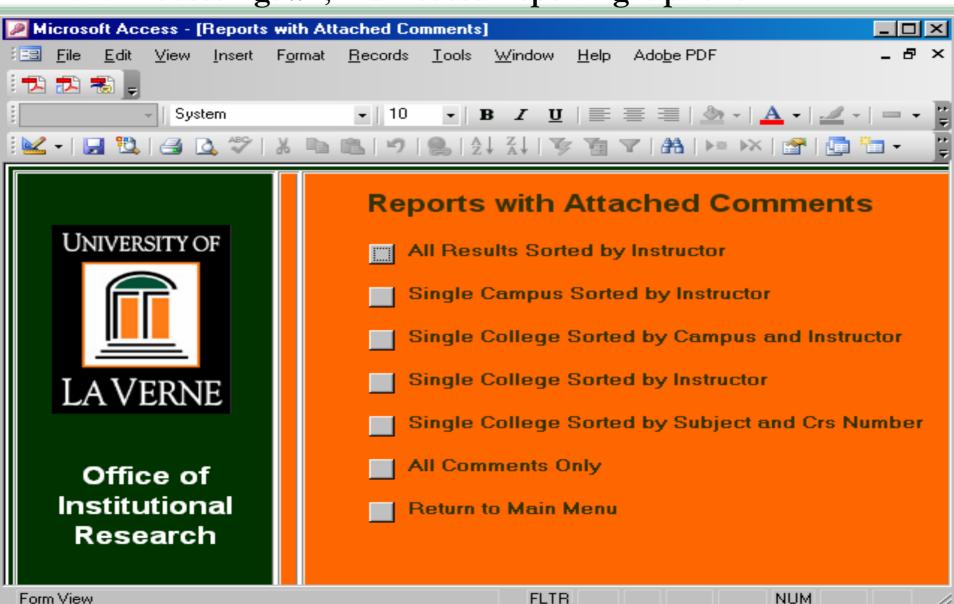
Form View



FLTR

NUM

IR Data Processing: #2, MS Access Reporting Options



IR Data Processing: #3, Reporting Sample

University of La Verne

Course Evaluation Summary - January 2007

Instructor: XXX, XXX Education & Org Leadership CRN: XXX Campus: M: Main Campus

Course: SPED XXX: Spec Educ Sem Part of Term: S: Central Campus

	Frequency Distribution for Questions 1—22			Overall Norms		orms				
Question Question	Strongly	Disag 1	ree 2	Stroi 3	ngly A 4	gree No Response	Mean	St. Dev.	Mean Mean	St. Dev. St. Dev.
01: Instructor showed knowledge of the subject					7		4.00	0.00	3.79701	0.416469
02: Instructor showed ability to stimulate & maintain interest					7		4.00	0.00	3.54200	0.659664
03: Instructor allows students to express themselves during discussions					7		4.00	0.00	3.71113	0.511281
04: Instructor shows fairness in evaluating student work					7		4.00	0.00	3.65124	0.557252
05: Instructor gave helpful feedback on student work					7		4.00	0.00	3.53117	0.642333
06: Instructor showed high expectations of student performance					7		4.00	0.00	3.57291	0.552468
07: Instructor was available to students (email, phone, office)					7		4.00	0.00	3.63811	0.521790
08: Instructor showed respect & professionalism towards students					7		4.00	0.00	3.68463	0.529577
09: Instructor used of a variety of teaching techniques					7		4.00	0.00	3.42276	0.713746
10: Overall effectiveness as an instructor					7		4.00	0.00	3.56831	0.639401
11: Instructor presented/explained the course syllabus					7		4.00	0.00	3.64236	0.545166
12: Instructor presented/explained the course objectives					7		4.00	0.00	3.61538	0.548931
13: Instructor presented/explained the schedule of major activities and assignments with due dates					7		4.00	0.00	3.64726	0.565233
14: Instructor presented/explained evaluation & grading criteria					7		4.00	0.00	3.58643	0.611741
15: Instructor presented/explained plagiarism policy & writing standards					6	1	4.00	0.00	3.54940	0.596711
16: Course was planned & organized					7		4.00	0.00	3.57749	0.601262
17: Contents of texts, handouts & films were appropriate to course objectives					7		4.00	0.00	3.67368	0.502869
18: Activities, lectures & discussions were productive in this course					7		4.00	0.00	3.61502	0.572119
19: I learned a great deal in this course					7		4.00	0.00	3.58708	0.634074
20: I would recommend this course to another student					7		4.00	0.00	3.55	0.708217
21: The class met the scheduled number of sessions					7		4.00	0.00	3.70540	0.471032
22: The class met for the scheduled time per class session					7		4.00	0.00	3.66050	0.509095
Overall Mean:	4.00								Overall Mean:	3.61

Number of Respondents for this class: 7 Number of Students enrolled in 13 Evaluation Response Rate: 53.8%

Banner:

IR Data Processing: #3, Reporting Sample

University of La Verne -- Course Evaluation Comment Summary - January 2007

Instructor: XXX, XXX Education & Org Leadership CRN: XXX Campus: M: Main Campus

Course: SPED XXX: Spec Educ Sem

Part of Term: S: Central Campus

What were the most satisfactory aspects of this course?

Prior to this course, I found fulfillment in the enlighten and rewarding diversity could be to personal and professional growth.

I have now taken 2 classes from Patricia~ this is the first time I have felt challenged and learned a lot at this school. As a teacher she has one of the highest expectations, curriculum, etc. that I have experienced here. I thoroughly enjoyed her class~

This course covered material that is applicable to my every day interactions with students. The information we covered was very "eye- opening".

I thoroughly enjoyed the class. Patricia is a wonderful teacher. I learned a lot of pertinent information during the course.

I loved that she used a variety of teaching methods towards us.

How can this course be improved?

The course is great the way it is.

This course has met the ideology of perfection from my perspective.

I think this course is well planned and prioritized- no suggestions here!

What were the most satisfactory teaching attributes of this instructor?

Dr. XXX has a gift on how she guides her students into the realization of themselves. She is genuine in that she can share herself professionally and personably with her students.

she is passionate about what she does~ she takes an active part in our learning and also incorporates our ideas and techniques in the curriculum as well. she has a wicked sense of memory which to me means she cares about each student~

XXX presented material in a way that kept us all engaged and active. I appreciate her flexibility and understanding. I must give much of the credit of the material being "eye-opening" to the instructor as it is because of her that the material was presented to me in such a touching manner.

The way she connected with each of the students. I thought that was fantastic.

She was pleasant and very real.

What can the instructor do to improve his or her teaching effectiveness?

She is doing a great job, I would not change a thing.

She is awesome.

Nothing- I greatly enjoyed taking this course and look forward to my next classes with this instructor. Thanks!

RESEARCH QUESTION/HYPOTHESES

Do on-line course evaluations have similar response rates and results to those of traditional paper course evaluations?

- The response rates are similar
- The quantitative scores are similar
- The qualitative comments are similar

LITERATURE REVIEW

Response Rate

- No significant differences
- Lower response rate

Quantitative Scores

- No significant differences
- Significant different scores
- Different, but no patterns

Qualitative comments

- More
- Better

Limitations

- Initial implementation stage
- Limited experimental data or term data
- No or limited qualitative analysis



RESEARCH METHODOLOGY

Four Sets of Data

- The First Set: Paper and online results in 3 years.
- The Second Set: Results of 31 faculty who converted from paper format in one semester to online format thereafter.
- The Third Set: 25 courses with both formats available in the same terms.
- The Fourth Set: 15 paired-courses.

Quantitative Data Analysis

Qualitative Data Analysis



DATA ANALYSIS

Response Rate

- The online response rate is consistently around 50%-60% (Table 2); 11% courses, 100% (Table 3).
- First set of data for all: online format has 24% lower response rate (Table 2)
- Second set of data for faculty who switched: online format has 17% lower response rate (Table 4)

Quantitative Scores

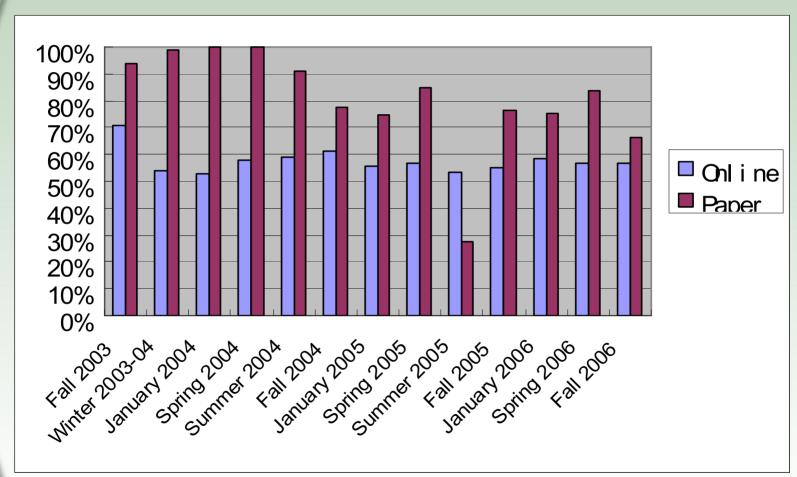
- First set of data for all: Online and paper formats have similar mean scores
- Second set of data for faculty who switched: similar scores
- Third set of data the same courses: Online has lower mean score (Table 6 and Table 7)

Qualitative Comments

- The fourth set of data
- Online has more words (Table 8)
- Online has more themes; more positive and less negative themes on cours more negative themes on instructors (Table 9).

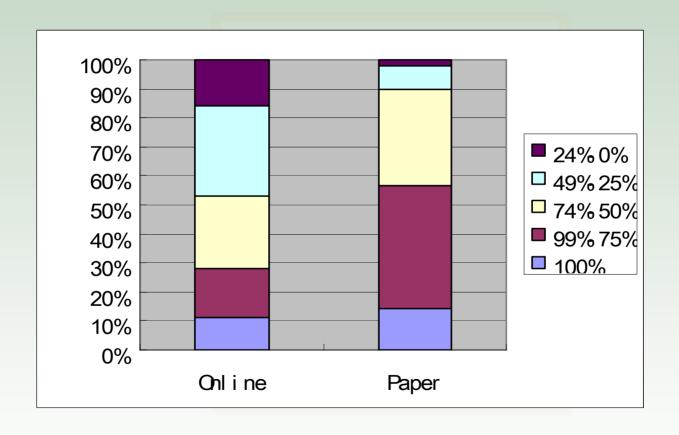
 Knowledge Service Vision

Response Rate: Table 2: Response Rate by Term





Response Rate: Table 3: Total Response Rate by Range



Quantitative Scores: Table 5: Course Mean Scores

		Online				Paper		All		
Term	Difference	Mean	S.D.	N	Mean	S.D.	N	Mean	S.D.	N
Fall 2004	-0.10 **	3.55	0.51	1012	3.65	0.47	54	3.56	0.5	1066
Spring 2005	-0.04	3.56	0.49	1223	3.6	0.51	23	3.56	0.49	1246
Fall 2005	-0.05	<mark>3</mark> .56	0.49	1204	3.61	0.48	14	3.56	0.49	1218
Spring 2006	-0.05	3.59	0.47	1238	3.64	0.49	3	3.59	0.47	1241
Fall 2006	-0.07	3.56	0.47	1214	3.63	0.48	6	3.56	0.47	1220
Total	-0.04*	3.58	0.47	8446	3.62	0.49	106	3.58	0.47	8552

significant at 0.0.5 level.



^{**} significant at 0.01 level.

Qualitative Comments: Word Count

	Online	Paper	Differences	T Value	P Value
Comment 1	12.79	11.38	1.41	1.224	0.236
Comment 2	10.54	10.23	0.31	0.596	0.556
Comment 3	12.48	14.54	-2.06*	1.914	0.066
Comment 4	9.03	4.23	4.8	0.857	0.399
Total	44.84	40.38	4.46	1.590	0.123

- 1. Note: the numbers under "Online" and "Paper" indicate the average total number of words a student mentions in the comments.
- 2. * significant at 0.10 level.



Qualitative Comments: Themes and Nature

	Online	Paper	Differences	T Value	P Value
Positive Themes	2.75	2.74	0.01	1.274	0.220
Positive Teacher	1.20	1.73	-0.53	0.102	0.920
Positive Course	1.55	1.02	0.53 *	2.021	0.060
Negative Themes	1.34	1.09	0.25	0.977	0.337
Negative Teacher	1.20	0.66	0.54*	2.611	0.019
Negative Course	0.14	0.43	-0.29*	-2.771	0.010
Overall Total	4.09	3.83	0.26*	1.808	0.088

^{1.} Note: the numbers under "Online" and "Paper" indicate the average times a student mentions the themes under the categories in their comments.

^{2. *} significant at 0.10 level.

CONCLUSIONS

- Response Rate: Paper course evaluation has significant higher response rate than online course evaluation.
- Quantitative Scores: Online and paper course evaluations have no significant differences in the quantitative mean scores.
- Qualitative Comments: Online course evaluation has considerable more qualitative comments with more depth and width, but different nature.

WHAT'S NEXT?

- Survey Layout: Better design
- Response Rate: incentives for students and faculty
- Online Reporting: data warehouse
- Further analysis and monitoring

Questions & Answers
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