

You Should be Giving your Exams on Computers

Alexander Gainer

- Less work and stress for instructors;
- Better Exams;
- Students love it.

What is the LAC?

The Learning Assessment Centre (LAC) is a computer lab, with capacity for 100 students, that administers computer-based exams on the third floor of the Education North Building.



Reduces Instructor's Workload

- You do not have to proctor your own exams or organize proctors.
- No printing exams and hauling boxes of paper across campus.
- Grading is automatic.
- Computer-based exams are much more flexible:
 - offer multiple days, times and locations for exams.
 - can use media in your exams.

Better Assessment

- Secure exams and detailed data make it easier to create exams that effectively assess your students.
- Easy to offer feedback, even in large classes.
- Significantly reduces cheating.

SUMMARY REPORT



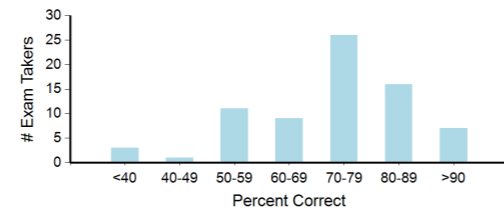
ECON 102 X50 Wi17 Final Exam

Course: ECON 102 LEC X50 Wi17 • Instructor: Alex Gainer • Questions: 79 • Exam Takers: 73

ASSESSMENT PERFORMANCE

74% Average Score (58.1/79)
39% Low Score (31/79)
97% High Score (77/79)

Total Student Performance Histogram



Assessment Score Reliability (KR-20)

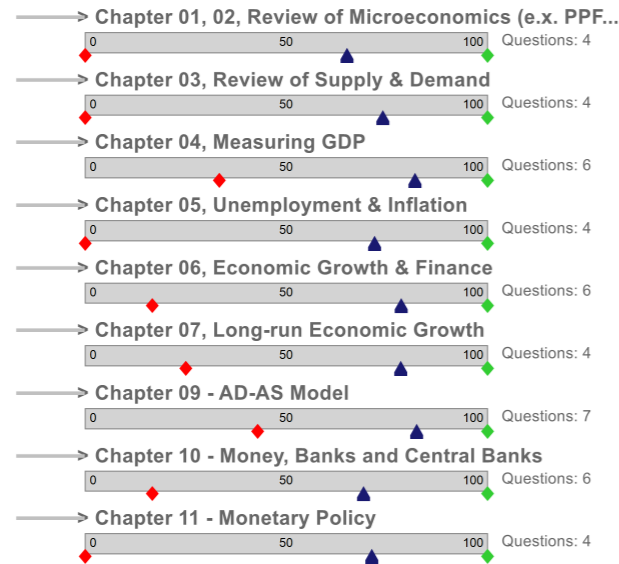


LEARNING OUTCOMES (Category Performance)

◆ Low ▲ Avg ◆ High

Faculty of Arts

→ Economics



Seq #	Item ID	Item Stem	Correct	Upper 27%	Lower 27%	Point BiSerial	Disc Index	Response Frequencies					
								A	B	C	D	E	
13	1074	Refer to Figure 9.5,...	74%	86%	80%	0.03	0.06	7	*54	8	4		
14	1094	If the exchange rate...	85%	100%	70%	0.32	0.30	1	0	10	*62		
15	1083	Matt's real wage in...	79%	95%	45%	0.56	0.50	4	*58	2	9		
16	1091	An increase in Canad...	79%	100%	65%	0.29	0.35	7	*58	7	1		
17	1084	If actual inflation...	60%	100%	30%	0.51	0.70	*44	16	11	2		
18	1101	How will contraction...	45%	57%	35%	0.24	0.22	16	*33	13	11		
19	1088	The price level in t...	41%	67%	20%	0.25	0.47	1	40	2	*30		
20	1072	Policies to promote...	70%	81%	40%	0.33	0.41	1	20	1	*51		
21	1073	Refer to Figure 9.3,...	92%	100%	80%	0.40	0.20	2	3	*67	1		
22	1086	Refer to Figure 13.2...	95%	100%	80%	0.43	0.20	2	*69	0	2	0	
23	1071	The rapid growth of...	100%	100%	100%	0.00	0.00	0	*73	0	0		
24	1095	If the price level i...	82%	95%	75%	0.20	0.20	0	1	*60	12		
25	1108	If interest rates in...	68%	81%	60%	0.17	0.21	10	*50	6	7		
26	1105	A currency pegged at...	96%	100%	85%	0.39	0.15	2	*70	1	0		
27	1106	Refer to Figure 15.3...	85%	86%	95%	-0.08	-0.09	10	*62	1	0		
28	1085	Assume weak growth i...	89%	100%	70%	0.37	0.30	4	*65	2	2		
29	1092	Which of the followi...	93%	100%	80%	0.27	0.20	*68	3	0	2		
30	1098	How does expansionar...	84%	95%	75%	0.29	0.20	*61	5	7	0		
31	1093	If the dollar apprec...	78%	100%	45%	0.52	0.55	4	12	*57	0		
32	1096	In international exc...	37%	43%	20%	0.21	0.23	18	*27	18	10		
33	1075	Suppose the economy...	67%	86%	70%	0.17	0.16	0	21	3	*49		
34	1067	If the GDP deflator...	96%	95%	95%	0.02	0.00	0	0	3	*70		
35	1097	If the nominal excha...	90%	100%	80%	0.29	0.20	0	0	*66	7		
36	1079	Refer to Figure 13.1...	68%	100%	35%	0.51	0.65	0	*50	7	3	13	
37	1070	Which of the followi...	79%	100%	55%	0.43	0.45	8	*58	6	1		
38	1069	A transfer payment i...	88%	95%	70%	0.39	0.25	3	1	1	*64	4	
39	1103	What factors are not...	66%	90%	35%	0.48	0.55	13	7	5	*48		
40	1090	Which of the followi...	92%	95%	75%	0.42	0.20	4	*67	1	1		
41	1107	An increase in the v...	81%	76%	80%	0.05	-0.04	4	*59	5	5		
42	1100	Which of the followi...	12%	14%	10%	0.02	0.04	11	39	14	*9		
43	1080	According to the sho...	82%	100%	55%	0.51	0.45	4	*60	7	2		
44	1068	Emily is a writer. S...	88%	86%	80%	0.07	0.06	*64	2	7	0		
45	1110	Refer to Figure 15.6...	15%	10%	30%	-0.22	-0.20	6	56	0	*11		
47	994	Refer to Figure 9.5,...	79%	100%	60%	0.35	0.40	4	0	*58	11		
48	995	_____ of unemploy...	78%	95%	50%	0.40	0.45	6	*57	7	3		
49	996	The statement, "My i...	63%	76%	35%	0.27	0.41	6	*46	21	0		

What My Students Liked

“It was a relaxed but professional exam setting, so it encouraged my brain to go into 'exam mode' but not to go into panic mode.” - ECON 101 student, Fall 2015.

- A comfortable exam writing environment.
- Flexibility to book which time and day they write.
- Detailed exam feedback, e.x., by chapter or topic.
- Improved accessibility for S.A.S. registered students.

Conclusion

- Computer based exams are a better way to assess our students.
- Students prefer this new format.
- It makes the instructor's life easier.

Questions?