

Cheating...

IT in Educational Management: Can it Support Solution of e-Cheating Problem?

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Table of Content

- Motivation and Inspiration
- Literature review
- Surveys
- Results of surveys
- Solutions
- Final remarks and future plans

Motivation and Inspiration (1)

- Cheating during Webcastings
 - Copy, paste and distribute questions and answers
- Lecture Theater versus Computer Laboratory
- International examples

Motivation and Inspiration (2)



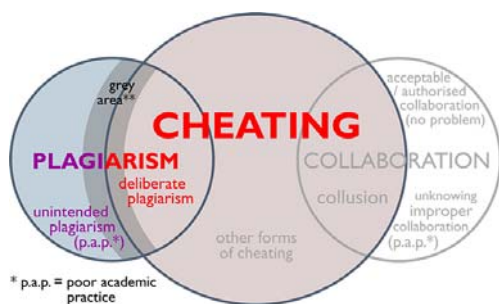
Motivation and Inspiration (3)



Why cheating is wrong?

- Bouville, M.: Why is Cheating Wrong? Stud. Philos. Educ. 29, 67–76 (2009)
- Cheating can be frustrating for the instructors because it can be interpreted as direct affront. Instructors can also feel betrayed.
- But the most important reason is the fact that cheating can influence grades which are an information how good a student is.
- So finally good and fair students can have worse grades than cheaters.

Forms of cheating



* p.a.p. = poor academic practice

<http://learning.londonmet.ac.uk/epacks/heroess-&-villains/images/Plagiarism-diagram.jpg>

Academic Integrity Surveys

- Gettysburg College
 - “Each summer, the entering first year class is asked to complete a survey about their academic integrity experiences in high school.”
- Monash University Survey
 - Questionnaire of this survey is fully based on the questionnaire used in 2000 during the survey conducted in Australia at Monash University and at Swanbourne University.
 - The same survey was conducted ten years later and results were compared

Gettysburg Survey

Page 1 of 7

O uczciwości edukacyjnej...

Academic Integrity Survey

1. Czy w Twojej szkole istniały zapisane reguły dotyczące uczciwości?
1. Did you have an honor code in your high school?

Tak (Yes)
 Nie (No)

2. Czy była(e)s świadkiem nieuczciwości (ściągnięcia) w Twojej szkole?
2. Did you ever witness cheating in your high school?

Nigdy (Never)
 Raz (Once)
 Więcej niż raz (More than once)

Results

203 responses

[View all responses](#) [Publish analytics](#)

Summary

1. Czy w Twojej szkole istniały zapisane reguły dotyczące uczciwości?

Tak (Yes)	132	65%
Nie (No)	71	35%



2. Czy była(e)s świadkiem nieuczciwości (ściągnięcia) w Twojej szkole?

Nigdy (Never)	17	8.4%
Raz (Once)	18	8.9%
Więcej niż raz (More than once)	178	88.7%



Monash University Survey

Page 1 of 21

Survey on Questionable Work Practices

Ankieta z Monash University, Australia

1. Otrzymała(e)s prace domowa taka sama jak inni studenci i pracujecie razem. Wkład pracy jest porównywalny. Praca która składasz prawie nie różni się od innych. A praca powinna być wykonana samodzielnie.
You get together with a friend of yours and work on an assignment together. Both of you contribute equal amounts of work towards the assignment. The assignment you submit is only slightly different to the one that your friend submits. The assignment is meant to be done individually.

W jakim stopniu ten scenariusz jest akceptowalny?
How acceptable is this scenario?

1 2 3 4 5

Akceptowalny [Acceptable] Nie do zaakceptowania [Not Acceptable]

Results

179 responses

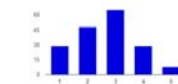
[View all responses](#) [Publish analytics](#)

Summary

1. Otrzymała(e)s prace domowa taka sama jak inni studenci i pracujecie razem. Wkład pracy jest porównywalny. Praca która składasz prawie nie różni się od innych. A praca powinna być wykonana samodzielnie.

W jakim stopniu ten scenariusz jest akceptowalny?

Akceptowalny [Acceptable]	1	0.2%
	2	0.3%
	3	36.3%
	4	50.2%
Nie do zaakceptowania [Not Acceptable]	5	4.2%

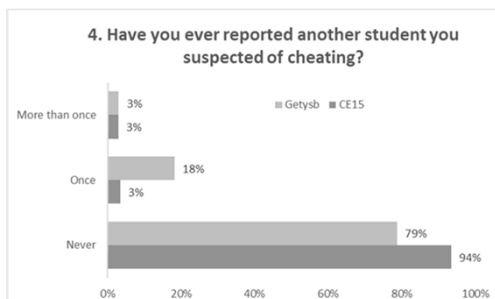


Czy kiedykolwiek tak postąpiła(e)s?

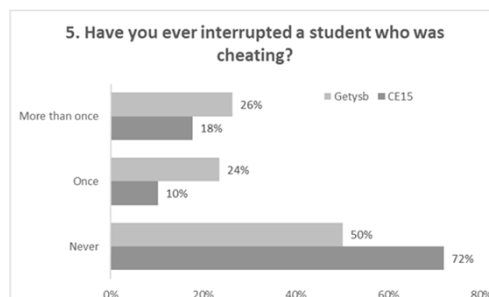
Tak (Yes)	97	54.2%
Nie (No)	82	45.8%



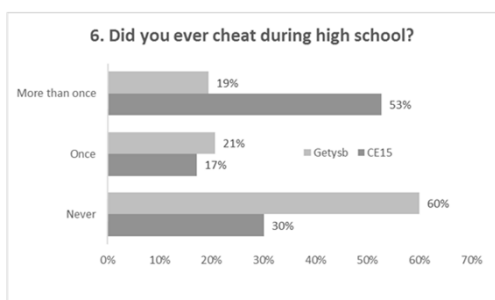
Gettysburg 4 - solidarity



Gettysburg 5 – civic attitude



Gettysburg 6 - mirror



Monash University

- **Acceptability**
- Lickert scale
 - 1 [Acceptable]
 - 5 [Not acceptable]
- The higher average the better

- **Practice**
- How many percent uses this...

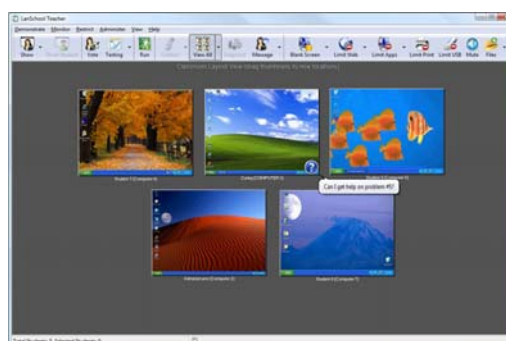
Scenario	Acceptability			Practice		
	2000 mean	2010 mean	2015 mean	2015 %	2010 %	2015 %
Showing assignment work to a lecturer for guidance	2.07	2.21	1.68	37	42	67
Posting to an Internet newsgroup for assistance	2.07	2.28	1.77	27	34	68
Two students collaborating on an assignment meant to be completed individually	2.54	3.20	2.65	44	36	54
Resubmitting an assignment from a previous subject in a new subject	2.82	2.99	2.49	27	17	41
Submitting a friend's assignment from a past running of the subject	2.86	3.46	3.03	34	20	32
Copying the majority of an assignment from a friend's assignment, but doing a fair bit of work yourself	2.98	3.37	2.98	31	21	39
Not informing the tutor that an assignment has been given too high a mark	3.08	3.29	2.82	17	16	39
Being given the answer to a tutorial exercise worth 5% by a class mate if the computer you used has problems	3.76	4.29	3.03	7	3	9

Being given the answer to a tutorial exercise worth 5% by a class mate if the computer you used has problems	3.76	4.29	3.03	7	3	9
Copying material for an essay from a text book	3.81	4.19	3.71	22	10	34
Copying material for an essay from the Internet	3.85	4.28	4.29	23	10	33
Obtaining a medical certificate from a doctor to get an extension when you are not sick	3.94	4.02	3.35	12	3	9
Swapping assignments with a friend, so that each does one assignment, instead of doing both	3.96	4.45	3.37	9	3	37
Copying another student's assignment from their computer without their knowledge and submitting	4.18	4.62	3.94	7	3	7
Copying all of an assignment given to you by a friend	4.30	4.62	3.92	10	3	10
Hiring a person to write your assignment for you	4.51	4.62	3.97	3	1	6
Using a hidden sheet of paper with important facts during an exam	4.59	4.64	4.32	4	2	53
Hiring someone to sit an exam for you	4.65	4.69	4.32	3	0	5

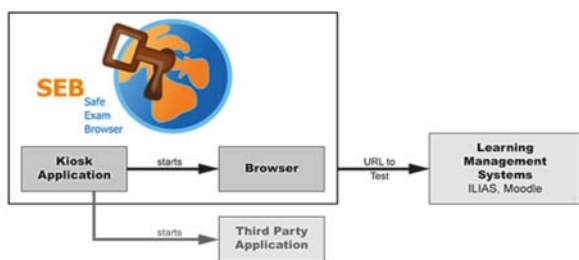
Where is the problem...

- 200PL + 50EN students and two tutors
- MOOC...
Massive University Lectures and Laboratories - MULL
- Three practical tests
 - Word processing
 - Spreadsheet calculations
 - Computer Algebra Systems
- Lectures in Computer Science
 - Moodle test

Lan School Manager Lite



Safe Exam Browser



Lecture test

2014/15				4	2015/16				40
	Przedział	Termin 1	Termin 2		Przedział	T1	T2		
1	[0;5]	0	0		1	[0;5]	0	0	
2	[5;10]	0	0		2	[5;10]	0	0	
3	[10;15]	0	0		3	[10;15]	2	0	
4	[15;20]	2	0		4	[15;20]	14	1	
5	[20;25]	2	1		5	[20;25]	24	1	
6	[25;30]	18	1		6	[25;30]	21	4	
7	[30;35]	24	1		7	[30;35]	29	12	
8	[35;40]	31	0		8	[35;40]	37	11	
9	[40;45]	72	2		9	[40;45]	44	27	
10	[45;50]	37	2		10	[45;50]	31	18	
11	[50;50]	1	1		11	[50;50]	0	4	

Final results - comparison

	Ocena	Ocena Laboratoria	Ocena Wyklady	Ocena Koncowa
1	5	3	41	4
2	4,5	9	73	25
3	4	43	30	81
4	3,5	62	24	53
5	3	59	18	13
6	2	19	20	30

	Ocena	Ocena LAB	Ocena WYK	Ocena KON
1	5	0	47	3
2	4,5	8	56	21
3	4	18	43	67
4	3,5	50	37	56
5	3	93	17	22
6	2	48	4	48

Discussion...

- National antiplagiarism
- University Senate Commission – inflation of grades
- Faculty Lite School Manager Professional

