

Do diligent students perform better? Complex relations between student and course characteristics, study time, and academic performance in higher education

Supplementary material

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DO DILIGENT STUDENTS PERFORM BETTER?

Table 1

Course Characteristics and Descriptive Statistics of Relative Study Time and Grade per Course

Term-Course		Course Characteristics					Relative ST and Grade: Mean and Intercorrelation					
		Credit point load	Partial exam (0 = no, 1 = yes)	Transp. Ass. (1-5)	Direct. LA (1-5)	Cogn. Level LA (1-5)	Course Difficulty*	<i>N</i>	<i>M</i> _{ST} (<i>SD</i> _{ST})	<i>M</i> _{grade} (<i>SD</i> _{grade})	<i>r</i> _(ST, grade)	<i>p</i>
1	Financial Accounting 1	3	1	4	3	4	.220	61	0.73(0.27)	8.46(3.10)	.239	.032
	Global Economics & Economic History	3	0	3	5	1	.167	62	1.02(0.35)	11.24(2.90)	.239	.031
	Macro-economics 1	3	1	4	4	3	.337	62	0.94(0.27)	12.23(3.77)	.374	.001
	Mathematics 1	3	1	4	4	4	.444	61	1.07(0.33)	7.31(5.11)	.255	.024
	Sociology & Demography	6	0	5	3	1	.228	62	0.64(0.17)	12.05(2.44)	.326	.005
2	Macro-economics 2	3	1	3	4	3	.337	50	0.81(0.26)	10.42(3.18)	.037	.399
	Management & Management Accounting	9	0	5	4	3	.183	51	0.64(0.17)	9.57(2.64)	.140	.164
	Mathematics 2	3	1	4	4	4	.444	49	0.95(0.27)	11.31(4.78)	.036	.402
	Research Methods & Psychology 1	4	1	4	5	3	.173	50	0.83(0.26)	10.78(2.34)	.383	.003
	3	Financial Accounting 2	3	1	4	3	4	.220	53	0.98(0.25)	9.21(3.93)	.205
Management Information Systems		3	0	5	3	2	.112	53	0.76(0.24)	12.26(3.74)	.066	.318
Principles of Law		6	0	3	2	2	.341	53	0.66(0.17)	8.55(3.23)	.311	.012
Research Methods & Psychology 2		2	1	4	4	5	.173	52	0.81(0.36)	12.69(2.40)	.535	.000
Statistics		3	0	3	4	3	.401	53	1.04(0.27)	11.00(5.16)	.524	.000

Note. Grades range from 0 to 20, with 10 being the passing level. Transp. Ass. = Transparency of assessment; Direct. LA = Directivity of learning activities; Cogn. Level LA = Expected cognitive level of learning activities. * The proportion of students failing the exam in the preceding academic year.