

U-Multirank 2016

<http://www.umultirank.org/>

Universidade do Porto. Reitoria. Gabinete de Estudos Estratégico e Melhoria Contínua

16 de maio de 2016

Na edição de 2016 do U-Multirank foram disponibilizados 14 “readymade rankings”:

1. Readymade Research and Research Linkages Ranking (RRRLR)	2
1.1 Evolução das posições e scores da U.Porto no RRRLR	2
1.2 Universidades portuguesas no U-Multirank RRRLR 2016.....	3
2. Readymade Teaching & Learning Rankings (RT&LR)	4
2.1 Biology.....	4
2.2 Business Studies Programmes.....	6
2.3 Chemistry	8
2.4 Computer Science Programmes.....	10
2.5 Electrical Engineering Programmes	12
2.6 History	14
2.7 Mathematics	16
2.8 Mechanical Engineering Programmes.....	18
2.9 Medicine Programmes.....	20
2.10 Physics Programmes.....	22
2.11 Psychology Programmes.....	24
2.12 Social Work	26
2.13 Sociology	28

Em cada um, identificaram-se as posições das instituições de ensino superior (IES) portuguesas.

1. Readymade Research and Research Linkages Ranking (RRRLR)

“This readymade ranking compares selected U-Multirank institutions in terms of seven different bibliometric performance indicators in the areas of research and research linkages.

[...]

Citation rate - The average number of times the university's research publications (over the period 2011-2014) are cited in other research, adjusted (normalized) at the global level to take into account differences in publication years and to allow for differences in citation customs across academic fields.

Research publications (absolute numbers) - The number of university's research publications (indexed in the Web of Science Core Collections database), where at least one author is affiliated to the source university or higher education institution.

Research publications (size-normalised) - The number of research publications (indexed in the Web of Science database), where at least one author is affiliated to the university (relative to the number of students).

Top cited publications - The proportion of the university's research publications that, compared to other publications in the same field and in the same year, belong to the top 10% most frequently cited worldwide.

Co-publications with industrial partners - The percentage of the university's research publications that list an author affiliate with an address referring to a for-profit business enterprises or private sector R&D unit (excludes for-profit hospitals and education organisations).

International joint publications - The percentage of the university's research publications that list at least one affiliate author's address located in another country.

Regional joint publications - The percentage of the university's research publications that list at least one co-author with an affiliate address located in the same spatial region (within a distance of 50 km).¹

1.1 Evolução² das posições e scores da U.Porto no U-Multirank RRRLR

		2015	2016
	# World	505/1086	529/1167
	# PT	6/14	8/17
Research	Citation rate	B	B
	Research publications (absolute numbers)	A	B
	Research publications (size-normalised)	A	A
	Top cited publications	B	B
Knowledge Transfer	Co-publications with industrial partners	D	D
International Orientation	International joint publications	A	B
Regional Engagement	Regional joint publications	A	B

A (Very good) ; B (Good); C (Average); D (Below average); E (Weak); - Data unavailable; x - Not applicable

1

<http://www.umultirank.org/#!/readymade?trackType=illustrative&signtMode=undefined&ranking=6&sortCol=sortValues%5B0%5D&sortOrder=asc§ion=illustrativeRanking> acedido 4 de abril de 2016

² Informação de 2015 acedida em 30 de março de 2015 ; a de 2016 acedida em 4 de abril de 2016.

1.2 Universidades portuguesas no U-Multirank Readymade Research and Research Linkages Ranking 2016

			Research				Knowledge Transfer	International Orientation	Regional Engagement
# 2016	#2015	IES	Citation rate	Research publications (absolute numbers)	Research publications (size-normalised)	Top cited publications	Co-publications with industrial partners	International joint publications	Regional joint publications
157	188	U Madeira	A	D	C	A	D	A	D
173	--	U Institute Maia	A	D	D	A	E	B	A
316	272	Catholic U Portugal	B	C	D	A	D	C	A
396	447	U Nova Lisbon	B	B	A	B	D	A	A
452	446	U Aveiro	B	B	A	B	D	A	D
464	444	U Minho	B	B	B	B	D	A	B
516	523	U Lisbon	B	B	A	B	D	A	B
529	505	U Porto	B	B	A	B	D	B	B
575	568	U Coimbra	C	B	A	C	C	A	C
600	587	U Institute Lisbon	C	C	D	C	D	B	A
605	605	U Algarve	C	C	B	C	C	A	D
622	648	U Beira Interior	C	C	B	C	C	C	D
673	655	U Evora	C	C	B	C	D	A	D
701	688	U Fernando Pessoa	C	D	C	C	D	B	A
720	--	U Trás-os-Montes & Alto Douro	C	C	B	C	C	B	C
1089	--	U Aberta	-	-	-	-	-	-	-
1148	1071	Portugalense U	x	D	D	x	x	x	-
#IES 1167	#IES 1086								

Total 1167 IES, das quais 25 com todos os 7 indicadores classificados com “- Data unavailable”

A (Very good) ; B (Good); C (Average); D (Below average); E (Weak); - Data unavailable; x - Not applicable

2. Readymade Teaching & Learning Rankings (RT&LR)

2.1 Biology

“This readymade ranking aims to show how selected U-Multirank institutions are performing in terms of eight performance indicators on teaching and learning. While it is not possible to produce a definitive list of the world’s “top performing” universities in terms of teaching, U-Multirank shows top performances in different aspects of teaching and learning, including the assessment of their learning experience by the students of the institutions.

[...]

Graduating on time (masters) - The percentage of graduates that graduated within the time expected (normative time) for their masters programme.

Academic staff with doctorates - The percentage of academic staff holding a doctorate (PhD or equivalent).

Contact with work environment (masters) - A composite measure representing at bachelor level: (1) the inclusion of internships / phases of practical experience or external projects in the curriculum; (2) the percentage of students doing an internship; (3) teaching by practitioners from outside the university departments; and, (4) the percentage of degree theses made in cooperation with industry/external organisations.

Overall learning experience - An assessment of the quality of the overall learning experience, based on a survey of the students.

Quality of courses & teaching - An assessment of the quality of teaching provision, based on a student satisfaction survey.

Laboratory facilities - An assessment of the quality of laboratories available to students, based on a student satisfaction survey.

International orientation of master programmes - A composite measure taking into account (1) the existence of joint/dual degree programmes; (2) the inclusion of study periods abroad; (3) the percentage of international (degree and exchange) students; and (4) the percentage of international academic staff.

Opportunities to study abroad - An assessment of the opportunities for studying abroad, based on a survey of the students.”³

3

<http://www.umultirank.org/#!/readymade?trackType=illustrative&signtMode=undefined&ranking=40&sortCol=overallPerformance&sortOrder=desc§ion=illustrativeRanking> Acedido 13 de maio de 2016

Universidades portuguesas no U-Multirank Readymade Teaching & Learning Rankings: Biology

#World	#PT	IES	Teaching & Learning			Teaching & Learning (Students' views)			International Orientation	
			Graduating on time (masters)	Academic staff with doctorates	Contact with work environment (masters)	Overall learning experience	Quality of courses & teaching	Laboratory facilities	International orientation of master programmes	Opportunities to study abroad
7	1	Catholic U Portugal	D	C	C	B	B	A	A	-
19	2	U Coimbra	C	A	-	-	-	-	A	-
20	3	U Evora	C	A	A	-	-	-	-	-
30	4	U Lisbon (IST)	B	A	B	-	-	-	B	-
32	5	U Beira Interior	B	A	E	C	C	B	D	C
71	6	U Algarve	D	C	D	-	-	-	A	-
74	7	U Lisbon (FC)	C	A	D	-	-	-	D	-
91	8	U Lisbon (ISA)	-	A	-	-	-	-	-	-
96	9	U Nova Lisbon	-	A	-	-	-	-	-	-
106	10	U Porto	-	A	-	-	-	-	-	-
134	11	Polytech. Inst. Leiria	-	B	D	-	-	-	B	-
151	12	U Aveiro	-	C	E	-	-	-	B	-
170	13	U Madeira	C	C	C	-	-	-	C	-
174	14	U Minho	C	C	E	-	-	-	C	-

Total 312 IES, das quais 101 com todos os 8 indicadores classificados com "- Data unavailable"

A última atualização dos dados, por parte das IES, foi em 2016.

A (Very good) ; B (Good); C (Average); D (Below average); E (Weak); - Data unavailable; x - Not applicable

2.2 Business Studies Programmes

“This readymade ranking aims to show how selected U-Multirank institutions are performing in terms of eight performance indicators on teaching and learning. While it is not possible to produce a definitive list of the world’s “top performing” universities in terms of teaching, U-Multirank shows top performances in different aspects of teaching and learning, including the assessment of their learning experience by the students of the institutions.

[...]

“**Graduating on time (masters)** - The percentage of graduates that graduated within the time expected (normative time) for their masters programme..

Academic staff with doctorates - The percentage of academic staff holding a doctorate (PhD or equivalent).

Contact with work environment (masters) A composite measure representing at bachelor level: (1) the inclusion of internships / phases of practical experience or external projects in the curriculum; (2) the percentage of students doing an internship; (3) teaching by practitioners from outside the university departments; and, (4) the percentage of degree theses made in cooperation with industry/external organisations.

Overall learning experience - An assessment of the quality of the overall learning experience, based on a survey of the students.

Quality of courses & teaching - An assessment of the quality of teaching provision, based on a student satisfaction survey.

Contact with teachers - An assessment of the feedback given by teachers, based on a student satisfaction survey.

International orientation of master programmes - A composite measure taking into account (1) the existence of joint/dual degree programmes; (2) the inclusion of study periods abroad; (3) the percentage of international (degree and exchange) students; and (4) the percentage of international academic staff.

Opportunities to study abroad - An assessment of the opportunities for studying abroad, based on a survey of the students.”⁴

4

<http://www.umultirank.org/#!/readymade?trackType=illustrative&sightMode=undefined&ranking=8&sortCol=overallPerformance&sortOrder=desc§ion=illustrativeRanking> acedido 13 de maio de 2016

Universidades portuguesas no U-Multirank Readymade Teaching & Learning Rankings: Business Studies Programmes

#World	#PT	IES	Teaching & Learning			Teaching & Learning (Students' views)			International Orientation	
			Graduating on time (masters)	Academic staff with doctorates	Contact with work environment (masters)	Overall learning experience	Quality of courses & teaching	Contact with teachers	International orientation of master programmes	Opportunities to study abroad
59	1	Catholic U Portugal	C	D	B	B	B	B	A	C
78	2	U Porto	C	B	C	B	C	C	A	C
183	3	U Evora	D	A	D	-	-	-	D	-
228	4	Polytech. Inst. Braganca	B	D	C	C	C	C	B	-
246	5	U Fernando Pessoa	D	B	-	-	-	-	B	-
248	6	U Coimbra	B	-	-	-	-	-	B	-
253	7	U Lisbon	C	D	D	C	C	C	B	C
265	8	Polytech. Inst. Coimbra (ISCAC)	B	D	C	C	C	D	D	-
315	9	Polytech. Inst. Viana do Castelo (ESCE)	x	B	-	-	-	-	-	-
325	10	Polytech. Inst. Lisbon	-	D	D	C	C	C	D	-
330	11	U Minho	D	C	C	-	-	-	C	-
362	12	Portugalense U	E	-	-	-	-	-	C	-
370	13	Polytech. Inst. Coimbra (ESTGOH)	x	D	-	D	D	D	-	-
383	14	Polytech. Inst. Viana do Castel (ESTG)o	x	D	-	-	-	-	-	-
391	15	U Algarve	x	-	-	-	-	-	-	-

Total 401 IES, das quais 11 com todos os 8 indicadores classificados com "- Data unavailable" ou "x - Not applicable"

A última atualização dos dados, por parte das IES, foi em 2014.

A (Very good) ; B (Good); C (Average); D (Below average); E (Weak); - Data unavailable; x - Not applicable

2.3 Chemistry

“This readymade ranking aims to show how selected U-Multirank institutions are performing in terms of eight performance indicators on teaching and learning. While it is not possible to produce a definitive list of the world’s “top performing” universities in terms of teaching, U-Multirank shows top performances in different aspects of teaching and learning, including the assessment of their learning experience by the students of the institutions.

[...]

Graduating on time (masters) - The percentage of graduates that graduated within the time expected (normative time) for their masters programme.

Academic staff with doctorates - The percentage of academic staff holding a doctorate (PhD or equivalent).

Contact with work environment (masters) - A composite measure representing at bachelor level: (1) the inclusion of internships / phases of practical experience or external projects in the curriculum; (2) the percentage of students doing an internship; (3) teaching by practitioners from outside the university departments; and, (4) the percentage of degree theses made in cooperation with industry/external organisations.

Overall learning experience - An assessment of the quality of the overall learning experience, based on a survey of the students.

Quality of courses & teaching - An assessment of the quality of teaching provision, based on a student satisfaction survey.

Laboratory facilities - An assessment of the quality of laboratories available to students, based on a student satisfaction survey.

International orientation of master programmes - A composite measure taking into account (1) the existence of joint/dual degree programmes; (2) the inclusion of study periods abroad; (3) the percentage of international (degree and exchange) students; and (4) the percentage of international academic staff.

Opportunities to study abroad - An assessment of the opportunities for studying abroad, based on a survey of the students.⁴⁵

Universidades portuguesas no U-Multirank Readymade Teaching & Learning Rankings: Chemistry

#World	#PT	IES	Teaching & Learning			Teaching & Learning (Students' views)			International Orientation	
			Graduating on time (masters)	Academic staff with doctorates	Contact with work environment (masters)	Overall learning experience	Quality of courses & teaching	Laboratory facilities	International orientation of master programmes	Opportunities to study abroad
13	1	U Lisbon (IST)	C	A	E	-	-	-	A	-
28	2	U Nova Lisbon	B	A	B	-	-	-	B	-
31	3	U Porto	B	A	B	-	-	-	D	-
45	4	U Coimbra	C	A	-	-	-	-	B	-
50	5	U Evora	D	A	D	-	-	-	B	-
52	6	U Lisbon (FC)	D	A	E	-	-	-	B	-
140	7	U Aveiro	-	B	D	-	-	-	C	-
165	8	U Minho	C	C	D	-	-	-	D	-

Total 297 IES, das quais 94 com todos os 8 indicadores classificados com "- Data unavailable"

A última atualização dos dados, por parte das IES, foi em 2016.

A (Very good) ; B (Good); C (Average); D (Below average); E (Weak); - Data unavailable; x - Not applicable

2.4 Computer Science Programmes

“This readymade ranking aims to show how selected U-Multirank institutions are performing in terms of eight performance indicators on teaching and learning. While it is not possible to produce a definitive list of the world’s “top performing” universities in terms of teaching, U-Multirank shows top performances in different aspects of teaching and learning, including the assessment of their learning experience by the students of the institutions.

[...]

Student-staff ratio - The number of students (headcount) per member of the academic staff (fte). Staff solely involved in research is excluded..

Academic staff with doctorates - The percentage of academic staff holding a doctorate (PhD or equivalent).

Contact with work environment (masters) - A composite measure representing at bachelor level: (1) the inclusion of internships / phases of practical experience or external projects in the curriculum; (2) the percentage of students doing an internship; (3) teaching by practitioners from outside the university departments; and, (4) the percentage of degree theses made in cooperation with industry/external organisations.

Overall learning experience - An assessment of the quality of the overall learning experience, based on a survey of the students.

Quality of courses & teaching - An assessment of the quality of teaching provision, based on a student satisfaction survey.

IT provision - Student assessment of the quality of IT services for students, based on a student satisfaction survey.

International orientation of master programmes - A composite measure taking into account (1) the existence of joint/dual degree programmes; (2) the inclusion of study periods abroad; (3) the percentage of international (degree and exchange) students; and (4) the percentage of international academic staff.

Opportunities to study abroad - An assessment of the opportunities for studying abroad, based on a survey of the students.⁶

6

<http://www.umultirank.org/#!/readymade?trackType=illustrative&sightMode=undefined&ranking=20&sortCol=overallPerformance&sortOrder=desc§ion=illustrativeRanking> acedido 13 de maio de 2016

Universidades portuguesas no U-Multirank Readymade Teaching & Learning Rankings: Computer Science Programmes

#World	# PT	IES	Teaching & Learning			Teaching & Learning (Students' views)			International Orientation	
			Student-staff ratio	Academic staff with doctorates	Contact with work environment (masters)	Overall learning experience	Quality of courses & teaching	IT provision	International orientation of master programmes	Opportunities to study abroad
16	1	U Fernando Pessoa	A	B	B	-	-	-	A	-
23	2	U Algarve	A	A	-	-	-	-	B	-
99	3	U Evora	D	A	D	-	-	-	B	-
108	4	U Nova Lisbon (FCT.ECE)	D	A	-	-	-	-	B	-
144	5	Portucalense U	A	C	E	-	-	-	D	-
145	6	U Beira Interior	C	A	-	-	-	-	D	-
168	7	U Nova Lisbon(FCT.CSE)	D	A	-	-	-	-	D	-
216	8	Polytech. Inst. Braganca	C	B	C	-	-	-	B	-
218	9	U Madeira	D	B	B	D	D	D	C	-
233	10	Polytech. Inst. Leiria	D	D	D	B	C	C	C	C
242	11	U Lisbon	D	B	-	C	C	-	C	-
253	12	U Coimbra	-	C	B	-	-	-	C	-
271	13	U Institute Lisbon	D	B	E	-	-	-	C	-
301	14	Polytech. Inst. Coimbra (ISEC)	D	C	E	C	C	D	C	C
307	15	Polytech. Inst. Viana do Castelo	C	D	-	C	D	D	-	C
328	16	Polytech. Inst. Lisbon	C	D	-	-	-	-	D	-
330	17	Polytech. Inst. Coimbra (ESE)	-	-	C	-	-	-	D	-
350	18	Polytech. Inst. Coimbra (ESGTOH)	-	-	E	-	-	-	D	-
381	19	Polytech. Inst. Portalegre	-	-	-	-	-	-	-	-

Total 397 IES, das quais 38 com todos os 8 indicadores classificados com "- Data unavailable"

A última atualização dos dados, por parte das IES, foi em 2015.

A (Very good) ; B (Good); C (Average); D (Below average); E (Weak); - Data unavailable; x - Not applicable

2.5 Electrical Engineering Programmes

“This readymade ranking aims to show how selected U-Multirank institutions are performing in terms of eight performance indicators on teaching and learning. While it is not possible to produce a definitive list of the world’s “top performing” universities in terms of teaching, U-Multirank shows top performances in different aspects of teaching and learning, including the assessment of their learning experience by the students of the institutions.

[...]

Student-staff ratio - The number of students (headcount) per member of the academic staff (fte). Staff solely involved in research is excluded.

Academic staff with doctorates - The percentage of academic staff holding a doctorate (PhD or equivalent).

Contact with work environment (masters) - A composite measure representing at bachelor level: (1) the inclusion of internships / phases of practical experience or external projects in the curriculum; (2) the percentage of students doing an internship; (3) teaching by practitioners from outside the university departments; and, (4) the percentage of degree theses made in cooperation with industry/external organisations.

Overall learning experience - An assessment of the quality of the overall learning experience, based on a survey of the students.

Quality of courses & teaching An assessment of the quality of teaching provision, based on a student satisfaction survey.

Laboratory facilities - An assessment of the quality of laboratories available to students, based on a student satisfaction survey.

International orientation of master programmes - A composite measure taking into account (1) the existence of joint/dual degree programmes; (2) the inclusion of study periods abroad; (3) the percentage of international (degree and exchange) students; and (4) the percentage of international academic staff.

Opportunities to study abroad - An assessment of the opportunities for studying abroad, based on a survey of the students.⁷

7

<http://www.umultirank.org/#!/readymade?trackType=illustrative&sightMode=undefined&ranking=18&sortCol=overallPerformance&sortOrder=desc§ion=illustrativeRanking> acedido 13 de maio de 2016

Universidades portuguesas no U-Multirank Readymade Teaching & Learning Rankings: Electrical Engineering Programmes

#World	# PT	IES	Teaching & Learning			Teaching & Learning (Students' views)			International Orientation	
			Student-staff ratio	Academic staff with doctorates	Contact with work environment (masters)	Overall learning experience	Quality of courses & teaching	Laboratory facilities	International orientation of master programmes	Opportunities to study abroad
19	1	U Lisbon	D	A	-	B	C	C	A	-
32	2	Polytech. Inst. Coimbra	D	A	-	-	-	-	A	-
71	3	U Fernando Pessoa	A	D	-	-	-	-	B	-
87	4	U Minho	C	D	A	-	-	-	C	-
95	5	U Coimbra	D	A	D	-	-	-	C	-
112	6	U Porto	D	B	-	B	B	B	D	B
148	7	Polytech. Inst. Braganca	B	C	C	-	-	-	C	-
164	8	U Aveiro	D	B	-	-	-	-	D	-
168	9	Polytech. Inst. Viana do Castelo	B	-	-	-	-	-	-	-
181	10	Polytech. Inst. Lisbon	C	D	-	D	D	D	D	-
196	11	U Algarve	-	D	-	-	-	-	D	-

Total 210 IES, das quais 5 com todos os 8 indicadores classificados com "- Data unavailable"

A última atualização dos dados, por parte das IES, foi em 2014.

A (Very good) ; B (Good); C (Average); D (Below average); E (Weak); - Data unavailable; x - Not applicable

2.6 History

“This readymade ranking aims to show how selected U-Multirank institutions are performing in terms of eight performance indicators on teaching and learning. While it is not possible to produce a definitive list of the world’s “top performing” universities in terms of teaching, U-Multirank shows top performances in different aspects of teaching and learning, including the assessment of their learning experience by the students of the institutions.

[...]

Graduating on time (masters) - The percentage of graduates that graduated within the time expected (normative time) for their masters programme.

Academic staff with doctorates - The percentage of academic staff holding a doctorate (PhD or equivalent).

Contact with work environment (masters) - A composite measure representing at bachelor level: (1) the inclusion of internships / phases of practical experience or external projects in the curriculum; (2) the percentage of students doing an internship; (3) teaching by practitioners from outside the university departments; and, (4) the percentage of degree theses made in cooperation with industry/external organisations.

Overall learning experience - An assessment of the quality of the overall learning experience, based on a survey of the students.

Quality of courses & teaching - An assessment of the quality of teaching provision, based on a student satisfaction survey.

Library facilities - An assessment of the quality of library services for students, based on a student satisfaction survey.

International orientation of master programmes - A composite measure taking into account (1) the existence of joint/dual degree programmes; (2) the inclusion of study periods abroad; (3) the percentage of international (degree and exchange) students; and (4) the percentage of international academic staff.

Opportunities to study abroad - An assessment of the opportunities for studying abroad, based on a survey of the students.”⁸

8

<http://www.umultirank.org/#!/readymade?trackType=illustrative&sightMode=undefined&ranking=39&sortCol=overallPerformance&sortOrder=desc§ion=illustrativeRanking> acessado 13 de maio 2016

Universidades portuguesas no U-Multirank Readymade Teaching & Learning Rankings: History

#World	# PT	IES	Teaching & Learning			Teaching & Learning (Students' views)			International Orientation	
			Graduating on time (masters)	Academic staff with doctorates	Contact with work environment (masters)	Overall learning experience	Quality of courses & teaching	Library facilities	International orientation of master programmes	Opportunities to study abroad
5	1	U Evora	C	A	C	-	-	-	A	-
36	2	U Nova Lisbon	D	A	E	-	-	-	B	-
60	3	U Lisbon (FC)	-	A	E	-	-	-	D	-
62	4	U Lisbon (FL)	D	A	-	-	-	-	-	-
81	5	U Coimbra	B	C	-	-	-	-	B	-
86	6	U Porto	B	-	B	-	-	-	-	-
118	7	U Algarve	-	C	-	C	C	-	-	-
124	8	U Minho	D	C	E	-	-	-	D	-

Total 154 IES, das quais 4 com todos os 8 indicadores classificados com “- Data unavailable”

A última atualização dos dados, por parte das IES, foi em 2016.

A (Very good) ; B (Good); C (Average); D (Below average); E (Weak); - Data unavailable; x - Not applicable

2.7 Mathematics

“This readymade ranking aims to show how selected U-Multirank institutions are performing in terms of eight performance indicators on teaching and learning. While it is not possible to produce a definitive list of the world’s “top performing” universities in terms of teaching, U-Multirank shows top performances in different aspects of teaching and learning, including the assessment of their learning experience by the students of the institutions.

[...]

Graduating on time (masters)- The percentage of graduates that graduated within the time expected (normative time) for their masters programme.

Academic staff with doctorates - The percentage of academic staff holding a doctorate (PhD or equivalent).

Contact with work environment (masters) A composite measure representing at bachelor level: (1) the inclusion of internships / phases of practical experience or external projects in the curriculum; (2) the percentage of students doing an internship; (3) teaching by practitioners from outside the university departments; and, (4) the percentage of degree theses made in cooperation with industry/external organisations.

Overall learning experience An assessment of the quality of the overall learning experience, based on a survey of the students.

Quality of courses & teaching - An assessment of the quality of teaching provision, based on a student satisfaction survey.

Library facilities - An assessment of the quality of library services for students, based on a student satisfaction survey.

International orientation of master programmes - A composite measure taking into account (1) the existence of joint/dual degree programmes; (2) the inclusion of study periods abroad; (3) the percentage of international (degree and exchange) students; and (4) the percentage of international academic staff.

Opportunities to study abroad - An assessment of the opportunities for studying abroad, based on a survey of the students.”⁹

9

<http://www.umultirank.org/#!/readymade?trackType=illustrative&sightMode=undefined&ranking=36&sortCol=overallPerformance&sortOrder=desc§ion=illustrativeRanking> acedido 13 de maio de 2016

Universidades portuguesas no U-Multirank Readymade Teaching & Learning Rankings: Mathematics

#World	# PT	IES	Teaching & Learning			Teaching & Learning (Students' views)			International Orientation	
			Graduating on time (masters)	Academic staff with doctorates	Contact with work environment (masters)	Overall learning experience	Quality of courses & teaching	Library facilities	International orientation of master programmes	Opportunities to study abroad
39	1	U Lisbon (ISEG)	B	C	C	-	-	-	A	-
42	2	U Lisbon (IST)	B	A	D	-	-	-	C	-
45	3	U Porto	B	A	E	-	-	-	C	-
51	4	U Aveiro	-	A	D	-	-	-	B	-
66	5	U Coimbra	C	A	-	-	-	-	C	-
72	6	U Evora	D	A	E	-	-	-	C	-
124	7	U Lisbon (FC)	C	C	D	-	-	-	B	-
141	8	U Minho	D	B	E	-	-	-	D	-
146	9	U Nova Lisbon	-	B	D	-	-	-	-	-

Total 298 IES, das quais 95 com todos os 8 indicadores classificados com "- Data unavailable"

A última atualização dos dados, por parte das IES, foi em 2016.

A (Very good) ; B (Good); C (Average); D (Below average); E (Weak); - Data unavailable; x - Not applicable

2.8 Mechanical Engineering Programmes

“This readymade ranking aims to show how selected U-Multirank institutions are performing in terms of eight performance indicators on teaching and learning. While it is not possible to produce a definitive list of the world’s “top performing” universities in terms of teaching, U-Multirank shows top performances in different aspects of teaching and learning, including the assessment of their learning experience by the students of the institutions..

[...]

Student-staff ratio - The number of students (headcount) per member of the academic staff (fte). Staff solely involved in research is excluded.

Academic staff with doctorates - The percentage of academic staff holding a doctorate (PhD or equivalent).

Contact with work environment (masters) - A composite measure representing at bachelor level: (1) the inclusion of internships / phases of practical experience or external projects in the curriculum; (2) the percentage of students doing an internship; (3) teaching by practitioners from outside the university departments; and, (4) the percentage of degree theses made in cooperation with industry/external organisations.

Overall learning experience - An assessment of the quality of the overall learning experience, based on a survey of the students.

Quality of courses & teaching - An assessment of the quality of teaching provision, based on a student satisfaction survey.

Laboratory facilities - An assessment of the quality of laboratories available to students, based on a student satisfaction survey.

International orientation of master programmes - A composite measure taking into account (1) the existence of joint/dual degree programmes; (2) the inclusion of study periods abroad; (3) the percentage of international (degree and exchange) students; and (4) the percentage of international academic staff.

Opportunities to study abroad - An assessment of the opportunities for studying abroad, based on a survey of the students.”¹⁰

¹⁰ <http://www.u-multirank.eu/#!/readymade?trackType=illustrative&sightMode=undefined&ranking=19&sortCol=overallPerformance&sortOrder=desc§ion=illustrativeRanking> acedido 13 de maio 2016

Universidades portuguesas no U-Multirank Readymade Teaching & Learning Rankings: Mechanical Engineering Programmes

#World	# PT	IES	Teaching & Learning			Teaching & Learning (Students' views)			International Orientation	
			Student-staff ratio	Academic staff with doctorates	Contact with work environment (masters)	Overall learning experience	Quality of courses & teaching	Laboratory facilities	International orientation of master programmes	Opportunities to study abroad
9	1	U Minho	A	C	A	-	-	-	A	-
74	2	U Coimbra	D	A	-	-	-	-	B	-
95	3	U Lisbon	D	-	D	C	D	D	A	-
104	4	Polytech. Inst. Viana do Castelo	A	C	-	-	-	-	-	-
108	5	U Algarve	A	D	-	-	-	-	-	-
120	6	U Porto	B	B	-	B	C	B	D	-
163	7	U Aveiro	D	B	-	-	-	-	D	-
174	8	Polytech. Inst. Braganca	C	C	C	-	-	-	C	-
180	9	Polytech. Inst. Coimbra	C	C	-	-	-	-	C	-
181	10	Polytech. Inst. Lisbon	D	D	-	C	C	D	D	-
187	11	Polytech. Inst. Leiria	D	C	-	-	-	-	D	-

Total 217 IES, das quais 6 com todos os 8 indicadores classificados com "- Data unavailable"

A última atualização dos dados, por parte das IES, foi em 2014.

A (Very good) ; B (Good); C (Average); D (Below average); E (Weak); - Data unavailable; x - Not applicable

2.9 Medicine Programmes

“This readymade ranking aims to show how selected U-Multirank institutions are performing in terms of eight performance indicators on teaching and learning. While it is not possible to produce a definitive list of the world’s “top performing” universities in terms of teaching, U-Multirank shows top performances in different aspects of teaching and learning, including the assessment of their learning experience by the students of the institutions.

[...]

Student-staff ratio - The number of students (headcount) per member of the academic staff (fte). Staff solely involved in research is excluded.

Academic staff with doctorates - The percentage of academic staff holding a doctorate (PhD or equivalent).

Innovative forms of assessment - The percentage of examinations (in medical doctor training programmes) which use innovative forms of assessment (assessment of practical work by faculty and structured clinical cases).

Overall learning experience - An assessment of the quality of the overall learning experience, based on a survey of the students.

Quality of courses & teaching - An assessment of the quality of teaching provision, based on a student satisfaction survey.

Linking clinical/preclinical teaching - The integration of pre-clinical/theoretical and clinical courses, based on a student satisfaction survey

International orientation of master programmes - A composite measure taking into account (1) the existence of joint/dual degree programmes; (2) the inclusion of study periods abroad; (3) the percentage of international (degree and exchange) students; and (4) the percentage of international academic staff.

Opportunities to study abroad - An assessment of the opportunities for studying abroad, based on a survey of the students.”¹¹

11

<http://www.umultirank.org/#!/readymade?trackType=illustrative&sightMode=undefined&ranking=22&sortCol=overallPerformance&sortOrder=desc§ion=illustrativeRanking> acessido 13 de maio de 2016

Universidades portuguesas no U-Multirank Readymade Teaching & Learning Rankings: Medicine Programmes

#World	# PT	IES	Teaching & Learning			Teaching & Learning (Students' views)			International Orientation	
			Student-staff ratio	Academic staff with doctorates	Innovative forms of assessment	Overall learning experience	Quality of courses & teaching	Linking clinical/preclinical teaching	International orientation of master programmes	Opportunities to study abroad
14	1	U Algarve	A	D	A	C	-	B	C	-
61	2	U Beira Interior	B	D	A	-	-	-	D	-
64	3	U Nova Lisbon	B	D	-	-	-	-	A	-
77	4	U Lisbon	A	D	C	-	-	-	D	-
80	5	U Porto (FMUP)	D	A	-	-	-	-	C	-
106	6	U Coimbra	-	D	B	-	-	-	B	-
123	7	U Porto (ICBAS)	-	D	-	-	-	-	B	-
139	8	U Minho	D	D	-	-	-	-	C	-

Total 167 IES, das quais 16 com todos os 8 indicadores classificados com "- Data unavailable"

A última atualização dos dados, por parte das IES, foi em 2015.

A (Very good) ; B (Good); C (Average); D (Below average); E (Weak); - Data unavailable; x - Not applicable

2.10 Physics Programmes

“This readymade ranking aims to show how selected U-Multirank institutions are performing in terms of eight performance indicators on teaching and learning. While it is not possible to produce a definitive list of the world’s “top performing” universities in terms of teaching, U-Multirank shows top performances in different aspects of teaching and learning, including the assessment of their learning experience by the students of the institutions.

[...]

Student-staff ratio - The number of students (headcount) per member of the academic staff (fte). Staff solely involved in research is excluded.

Academic staff with doctorates - The percentage of academic staff holding a doctorate (PhD or equivalent).

Contact with work environment (masters) - A composite measure representing at bachelor level: (1) the inclusion of internships / phases of practical experience or external projects in the curriculum; (2) the percentage of students doing an internship; (3) teaching by practitioners from outside the university departments; and, (4) the percentage of degree theses made in cooperation with industry/external organisations.

Overall learning experience - An assessment of the quality of the overall learning experience, based on a survey of the students.

Quality of courses & teaching - An assessment of the quality of teaching provision, based on a student satisfaction survey.

Laboratory facilities - An assessment of the quality of laboratories available to students, based on a student satisfaction survey.

International orientation of master programmes - A composite measure taking into account (1) the existence of joint/dual degree programmes; (2) the inclusion of study periods abroad; (3) the percentage of international (degree and exchange) students; and (4) the percentage of international academic staff.

Opportunities to study abroad - An assessment of the opportunities for studying abroad, based on a survey of the students.”¹²

12

<http://www.umultirank.org/#!/readymade?trackType=illustrative&sightMode=undefined&ranking=17&sortCol=overallPerformance&sortOrder=desc§ion=illustrativeRanking> acedido 13 de maio de 2016

Universidades portuguesas no U-Multirank Readymade Teaching & Learning Rankings: Physics Programmes

#World	# PT	IES	Teaching & Learning			Teaching & Learning (Students' views)			International Orientation	
			Student-staff ratio	Academic staff with doctorates	Contact with work environment (masters)	Overall learning experience	Quality of courses & teaching	Laboratory facilities	International orientation of master programmes	Opportunities to study abroad
12	1	U Porto	C	A	-	D	D	C	A	-
34	2	U Coimbra	-	A	B	-	-	-	B	-
127	3	U Lisbon (IST)	C	-	-	C	C	C	B	-
142	4	U Aveiro	D	B	-	-	-	-	C	-
159	5	U Minho	C	C	-	-	-	-	C	-
171	6	U Lisbon (FC)	C	-	-	D	D	-	D	-

Total 193 IES, das quais 6 com todos os 8 indicadores classificados com "- Data unavailable"

A última atualização dos dados, por parte das IES, foi em 2014.

A (Very good) ; B (Good); C (Average); D (Below average); E (Weak); - Data unavailable; x - Not applicable

2.11 Psychology Programmes

“This readymade ranking aims to show how selected U-Multirank institutions are performing in terms of seven performance indicators on teaching and learning. While it is not possible to produce a definitive list of the world’s “top performing” universities in terms of teaching, U-Multirank shows top performances in different aspects of teaching and learning, including the assessment of their learning experience by the students of the institutions.

[...]

Student-staff ratio - The number of students (headcount) per member of the academic staff (fte). Staff solely involved in research is excluded.

Academic staff with doctorates - The percentage of academic staff holding a doctorate (PhD or equivalent).

Contact with work environment (masters) - A composite measure representing at bachelor level: (1) the inclusion of internships / phases of practical experience or external projects in the curriculum; (2) the percentage of students doing an internship; (3) teaching by practitioners from outside the university departments; and, (4) the percentage of degree theses made in cooperation with industry/external organisations.

Overall learning experience - An assessment of the quality of the overall learning experience, based on a survey of the students.

Quality of courses & teaching - An assessment of the quality of teaching provision, based on a student satisfaction survey.

International orientation of master programmes - A composite measure taking into account (1) the existence of joint/dual degree programmes; (2) the inclusion of study periods abroad; (3) the percentage of international (degree and exchange) students; and (4) the percentage of international academic staff.

Opportunities to study abroad - An assessment of the opportunities for studying abroad, based on a survey of the students.”¹³

13

<http://www.umultirank.org/#!/readymade?trackType=illustrative&sightMode=undefined&ranking=21&sortCol=overallPerformance&sortOrder=desc§ion=illustrativeRanking> acedido 13 de maio de 2016

Universidades portuguesas no U-Multirank Readymade Teaching & Learning Rankings: Psychology Programmes

#World	# PT	IES	Teaching & Learning			Teaching & Learning (Students' views)		International Orientation	
			Student-staff ratio	Academic staff with doctorates	Contact with work environment (masters)	Overall learning experience	Quality of courses & teaching	International orientation of master programmes	Opportunities to study abroad
4	1	U Fernando Pessoa	A	A	A	-	-	C	-
6	2	Catholic U Portugal	A	A	B	B	B	D	B
11	3	U Lisbon	D	A	A	-	-	B	-
12	4	U Minho	A	D	B	-	-	A	-
21	5	U Coimbra	-	B	B	B	B	A	B
37	6	U Algarve	A	C	B	-	-	B	-
71	7	U Madeira	C	A	C	-	-	D	-
75	8	U Beira Interior	D	A	C	-	-	D	-
108	9	U Institute Lisbon	C	B	B	-	-	C	-
125	10	Portugalense U	B	C	C	-	-	D	-

Total 199 IES, das quais 24 com todos os 7 indicadores classificados com “- Data unavailable”

A última atualização dos dados, por parte das IES, foi em 2015.

A (Very good) ; B (Good); C (Average); D (Below average); E (Weak); - Data unavailable; x - Not applicable

2.12 Social Work

“This readymade ranking aims to show how selected U-Multirank institutions are performing in terms of nine performance indicators on teaching and learning. While it is not possible to produce a definitive list of the world’s “top performing” universities in terms of teaching, U-Multirank shows top performances in different aspects of teaching and learning, including the assessment of their learning experience by the students of the institutions.

[...]

Graduating on time (masters)- The percentage of graduates that graduated within the time expected (normative time) for their masters programme.

Academic staff with doctorates - The percentage of academic staff holding a doctorate (PhD or equivalent).

Contact with work environment (masters) - A composite measure representing at bachelor level: (1) the inclusion of internships / phases of practical experience or external projects in the curriculum; (2) the percentage of students doing an internship; (3) teaching by practitioners from outside the university departments; and, (4) the percentage of degree theses made in cooperation with industry/external organisations.

Community service learning - The percentage of credits given in service-learning activities, in relation to total number of credits. Service-learning involves students in community service activities and applies the experience to personal and academic development.

Overall learning experience - An assessment of the quality of the overall learning experience, based on a survey of the students.

Quality of courses & teaching An assessment of the quality of teaching provision, based on a student satisfaction survey.

Library facilities - An assessment of the quality of library services for students, based on a student satisfaction survey.

International orientation of master programmes - A composite measure taking into account (1) the existence of joint/dual degree programmes; (2) the inclusion of study periods abroad; (3) the percentage of international (degree and exchange) students; and (4) the percentage of international academic staff.

Opportunities to study abroad - An assessment of the opportunities for studying abroad, based on a survey of the students.”¹⁴

14

<http://www.umultirank.org/#!/readymade?trackType=illustrative&signtMode=undefined&ranking=21&sortCol=overallPerformance&sortOrder=desc§ion=illustrativeRanking> acedido 13 de maio de 2016

Universidades portuguesas no U-Multirank Readymade Teaching & Learning Rankings: Social Work

#World	# PT	IES	Teaching & Learning				Teaching & Learning (Students' views)			International Orientation	
			Graduating on time (masters)	Academic staff with doctorates	Contact with work environment (masters)	Community service learning	Overall learning experience	Quality of courses & teaching	Library facilities	International orientation of master programmes	Opportunities to study abroad
20	1	U Lisbon	D	A	-	A	-	-	-	D	-
29	2	U Trás-os-Montes & Alto Douro	B	-	D	A	C	C	C	C	C
49	3	Polytech. Inst. Coimbra	-	-	-	A	D	D	D	-	C
61	4	Catholic U Portugal	-	A	-	-	-	-	-	-	-
70	5	U Coimbra	x	B	-	D	-	-	-	B	-
84	6	Polytech. Inst. Portalegre	x	D	-	-	-	-	-	B	-
94	7	Polytech. Inst. Leiria	-	D	-	-	C	C	C	-	C

Total 128 IES, das quais 2 com todos os 9 indicadores classificados com "- Data unavailable"

A última atualização dos dados, por parte das IES, foi em 2016.

A (Very good) ; B (Good); C (Average); D (Below average); E (Weak); - Data unavailable; x - Not applicable

2.13 Sociology

“This readymade ranking aims to show how selected U-Multirank institutions are performing in terms of eight performance indicators on teaching and learning. While it is not possible to produce a definitive list of the world’s “top performing” universities in terms of teaching, U-Multirank shows top performances in different aspects of teaching and learning, including the assessment of their learning experience by the students of the institutions.

[...]

Graduating on time (masters) - The percentage of graduates that graduated within the time expected (normative time) for their masters programme.

Academic staff with doctorates - The percentage of academic staff holding a doctorate (PhD or equivalent).

Contact with work environment (masters) - A composite measure representing at bachelor level: (1) the inclusion of internships / phases of practical experience or external projects in the curriculum; (2) the percentage of students doing an internship; (3) teaching by practitioners from outside the university departments; and, (4) the percentage of degree theses made in cooperation with industry/external organisations.

Overall learning experience - An assessment of the quality of the overall learning experience, based on a survey of the students.

Quality of courses & teaching - An assessment of the quality of teaching provision, based on a student satisfaction survey.

Library facilities - An assessment of the quality of library services for students, based on a student satisfaction survey.

International orientation of master programmes - A composite measure taking into account (1) the existence of joint/dual degree programmes; (2) the inclusion of study periods abroad; (3) the percentage of international (degree and exchange) students; and (4) the percentage of international academic staff.

Opportunities to study abroad - An assessment of the opportunities for studying abroad, based on a survey of the students.”¹⁵

15

<http://www.umultirank.org/#!/readymade?trackType=illustrative&sightMode=undefined&ranking=37&sortCol=overallPerformance&sortOrder=desc§ion=illustrativeRanking> acedido 13 de maio de 2016

Universidades portuguesas no U-Multirank Readymade Teaching & Learning Rankings: Sociology

#World	# PT	IES	Teaching & Learning			Teaching & Learning (Students' views)			International Orientation	
			Graduating on time (masters)	Academic staff with doctorates	Contact with work environment (masters)	Overall learning experience	Quality of courses & teaching	Library facilities	International orientation of master programmes	Opportunities to study abroad
5	1	U Coimbra	B	A	-	-	-	-	A	-
16	2	U Beira Interior	B	A	D	B	B	B	C	-
30	3	U Porto	C	A	B	-	-	-	C	-
38	4	U Nova Lisbon	E	A	E	-	-	-	B	-
43	5	U Evora	C	A	C	-	-	-	C	-
59	6	U Lisbon	-	A	-	-	-	-	D	-
82	7	U Minho	B	B	D	-	-	-	C	-
127	8	U Algarve	-	C	-	-	-	-	-	-

Total 246 IES, das quais 101 com todos os 8 indicadores classificados com "- Data unavailable"

A última atualização dos dados, por parte das IES, foi em 2016.

A (Very good) ; B (Good); C (Average); D (Below average); E (Weak); - Data unavailable; x - Not applicable

