

U-Multirank 2015

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

Na edição de 2015 do U-Multirank foram disponibilizados 17 “readymade rankings”:

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Em cada um, identificaram-se as posições das Universidades portuguesas.

1. Readymade Research and Research Linkages Ranking

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

http://www.multirank.eu/fileadmin/downloads/readymades/Rankings_Description_Institutional_Research_Research_Linkages_UMR_2015.pdf

[...]

Citation rate - The average number of times that the university's research publications (over the period 2008-2011) get cited in other research, adjusted (normalized) at the global level to take into account differences in publication years and to allow for differences i

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

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.

Co-publications with industrial partners - The percentage of all the university's research publications that list an author affiliate with an address that refers to a business enterprise or a private sector R&D unit.

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

¹ <http://www.u-multirank.eu/#!/readymade?trackType=illustrative&sightMode=undefined&ranking=6&sortCol=sortValues%5B0%5D&sortOrder=asc§ion=illustrativeRanking> acedido 30 de março de 2015

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

			Research				Knowledge Transfer	International Orientation	Regional Engagement
#	IES	país	Citation rate	Research publications (absolute numbers)	Research publications (size-normalised)	Top cited publications	Co-publications with industrial partners	International joint publications	Regional joint publications
188	U Madeira	PT	A	D	D	A	D	A	D
272	Catholic U Portugal	PT	B	D	D	A	C	C	A
444	U Minho	PT	B	A	A	B	D	A	B
446	U Aveiro	PT	B	A	A	B	C	A	D
447	U Nova Lisbon	PT	B	A	A	B	D	A	A
505	U Porto	PT	B	A	A	B	D	A	A
523	U Lisbon	PT	B	A	A	C	D	A	A
568	U Coimbra	PT	C	A	A	C	C	A	D
587	U Institute Lisbon	PT	C	D	D	C	D	B	A
605	U Algarve	PT	C	D	B	C	D	A	D
648	U Beira Interior	PT	C	D	C	C	C	D	D
655	U Evora	PT	C	D	C	C	D	A	D
688	U Fernando Pessoa	PT	C	D	D	C	D	B	A
1071	Portucalense U	PT	x	D	D	x	x	x	x

Total: 1086 Universidades

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

2. Readymade Economic Involvement Ranking

“This readymade ranking aims to show how selected U-Multirank institutions are performing in terms of ten performance indicators in the areas of knowledge transfer and regional engagement. While it is not possible to produce a definitive list of the world’s “top performing” universities in these areas, U-Multirank shows top performances in different aspects of them.

http://www.multirank.eu/fileadmin/downloads/readymades/Rankings_Description_Institutional_Economic_Involvement_UMR_2015.pdf

[...]

Co-publications with industrial partners - The percentage of all the university’s research publications that list an author affiliate with an address that refers to a business enterprise or a private sector R&D unit.

Income from private sources - Research revenues and knowledge transfer revenues from private sources (incl. not-for profit organisations), excluding tuition fees. Measured in €1,000s using Purchasing Power Parities. Expressed per fte academic staff.

Patents awarded (absolute numbers) - The number of patents assigned to (inventors working in) the university (over the period 2001-2010).

Industry co-patents - The percentage of the number of patents assigned to (inventors working in) the university over the period 2001-2010, which were co-applied with at least 1 applicant from the industry.

Spin-offs - The number of spin-offs (i.e. firms established on the basis of a formal knowledge transfer arrangement between the institution and the firm) recently created by the institution (per 1000 fte academic staff)

Publications cited in patents - The percentage of the university’s research publications that were mentioned in the reference list of at least one international patent (as included in the PATSTAT database).

Income from continuous professional development - The percentage of the university’s total revenues that is generated from activities delivering Continuous Professional Development courses and training.

Bachelor graduates working in the region - The percentage of bachelor graduates who found their first job (after graduation) in the region where the university is located.

Master graduates working in the region - The percentage of masters graduates who found their first job (after graduation) in the region where the university is located.

Student internships in the region - Out of all the university’s students who did an internship, the percentage where the internship was with a company or organisation located in the region.

Regional joint publications - The percentage of the university’s research publications that list at least one co-author with an affiliate address in the same region (within a distance of 50 km).²

² <http://www.u-multirank.eu/#!/readymade?trackType=illustrative&sightMode=undefined&ranking=7&sortCol=sortValues%5B0%5D&sortOrder=asc§ion=illustrativeRanking> Acedido 30 de março de 2015

Universidades portuguesas no U-Multirank Readymade Economic Involvement Ranking

#	IES	país	Knowledge Transfer							Regional Engagement			
			Co-publications with industrial partners	Income from private sources	Patents awarded (absolute numbers)	Industry co-patents	Spin-offs	Publications cited in patents	Income from continuous professional development	Bachelor graduates working in the region	Master graduates working in the region	Student internships in the region	Regional joint publications
464	Catholic U Portugal	PT	C	-	E	x	-	B	A	-	-	-	A
472	U Aveiro	PT	C	C	E	x	A	D	C	B	B	C	D
486	U Coimbra	PT	C	A	D	B	B	C	A	B	B	D	D
509	U Beira Interior	PT	C	D	D	x	A	C	D	-	-	D	D
572	U Nova Lisbon	PT	D	A	D	x	A	A	B	C	A	-	A
573	U Algarve	PT	D	D	E	x	A	D	D	B	B	C	D
605	Polytech. Inst. Coimbra	PT	D	D	E	x	B	D	E	B	B	C	A
614	U Lisbon	PT	D	D	D	A	D	D	E	B	B	-	A
633	U Porto	PT	D	A	D	C	D	D	A	B	B	B	A
679	U Madeira	PT	D	-	E	x	-	D	-	-	-	-	D
692	U Fernando Pessoa	PT	D	E	E	x	D	D	E	-	-	A	A
697	U Minho	PT	D	D	D	D	C	C	E	A	A	A	B
708	Polytech. Inst. Viana do Castelo	PT	D	D	E	x	A	B	E	A	A	C	D
767	U Evora	PT	D	D	D	x	E	D	D	C	C	D	D
782	Polytech. Inst. Lisbon	PT	D	D	E	x	D	E	D	A	A	B	A
786	Polytech. Inst. Leiria	PT	D	D	E	x	D	D	D	B	-	D	D
800	Polytech. Inst. Braganca	PT	D	D	E	x	A	D	C	B	A	B	D
812	U Institute	PT	D	-	E	x	-	D	-	A	A	-	A

			Knowledge Transfer							Regional Engagement			
#	IES	país	Co-publications with industrial partners	Income from private sources	Patents awarded (absolute numbers)	Industry co-patents	Spin-offs	Publications cited in patents	Income from continuous professional development	Bachelor graduates working in the region	Master graduates working in the region	Student internships in the region	Regional joint publications
	Lisbon												
851	Polytech. Inst. Setúbal	PT	E	D	E	x	E	E	B	A	A	C	A
852	Polytech. Tomar	PT	E	D	E	x	-	E	C	C	-	-	D
890	Portucalense U	PT	x	D	E	x	E	x	A	-	-	A	x

Total 903 Universidades

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

3. Readymade Teaching & Learning Rankings

3.1 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.

http://www.multirank.eu/fileadmin/downloads/readymades/Rankings_Description_Fieldbase_Teaching_Learning_Business_Studies_UMR_2015.pdf

[...]

“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 in work; and (2) the percentage of students doing an internship; and (3) teaching by practitioners from outside university departments.

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”³

³ <http://www.u-multirank.eu/#!/readymade?trackType=illustrative&sightMode=undefined&ranking=8&sortCol=overallPerformance&sortOrder=desc§ion=illustrativeSelectRanking> acedido 30 de março de 2015

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

#	IES	país	Teaching & Learning			Teaching & Learning (student survey)			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	Catholic U Portugal	PT	C	D	B	B	B	B	A	C
78	U Porto	PT	C	B	C	B	C	C	A	C
183	U Evora	PT	D	A	D	-	-	-	D	-
227	Polytech. Inst. Braganca	PT	B	D	C	C	C	C	B	-
245	U Fernando Pessoa	PT	D	B	-	-	-	-	B	-
247	U Coimbra	PT	B	-	-	-	-	-	B	-
252	U Lisbon	PT	C	D	D	C	C	C	B	C
264	Polytech. Inst. Coimbra Instituto Superior de Contabilidade e Administração (ISCAC)	PT	B	D	C	C	C	D	D	-
314	Polytech. Inst. Viana do Castelo School of Business Studies - ESCE	PT	x	B	-	-	-	-	-	-
323	Polytech. Inst. Lisbon	PT	-	D	D	C	C	C	D	-
328	U Minho	PT	D	C	C	-	-	-	C	-
360	Portucalense U	PT	E	-	-	-	-	-	C	-
368	Polytech. Inst. Coimbra Escola Superior de Tecnologia e Gestão de Oliveira do Hospital	PT	x	D	-	D	D	D	-	-
381	Polytech. Inst. Viana do Castelo School of Technology and Management - ESTG	PT	x	D	-	-	-	-	-	-
389	U Algarve	PT	x	-	-	-	-	-	-	-

Total: 400 universidades

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

3.2 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.

http://www.multirank.eu/fileadmin/downloads/readymades/Rankings_Description_Fieldbase_Teaching_Learning_Computer_Science_UMR_2015.pdf”

[...]

Student-staff ratio - The number of students (headcount) per member of the academic staff (headcount).

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 in work; and (2) the percentage of students doing an internship; and (3) teaching by practitioners from outside university departments.

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.⁴

⁴ <http://www.u-multirank.eu/#!/readymade?trackType=illustrative&sightMode=undefined&ranking=20&sortCol=overallPerformance&sortOrder=desc§ion=illustrativeRanking> acedido 30 de março de 2015

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

			Teaching & Learning			Teaching & Learning (student survey)			International Orientation	
#	IES	país	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	U Fernando Pessoa	PT	A	B	B	-	-	-	A	-
23	U Algarve	PT	A	A	-	-	-	-	B	-
99	U Evora	PT	D	A	D	-	-	-	B	-
108	U Nova Lisbon Faculty of Science and Technology/Electrical and Computer Engineering	PT	D	A	-	-	-	-	B	-
145	Portucalense U	PT	A	C	E	-	-	-	D	-
146	U Beira Interior	PT	C	A	-	-	-	-	D	-
168	U Nova Lisbon Faculty of Science and Technology/Computer Science and Engineering	PT	D	A	-	-	-	-	D	-
215	Polytech. Inst. Braganca	PT	C	B	C	-	-	-	B	-
217	U Madeira	PT	D	B	B	D	D	D	C	-
232	Polytech. Inst. Leiria	PT	D	D	D	B	C	C	C	C
241	U Lisbon	PT	D	B	-	C	C	-	C	-
252	U Coimbra	PT	-	C	B	-	-	-	C	-
270	U Institute Lisbon	PT	D	B	E	-	-	-	C	-
300	Polytech. Inst. Coimbra Instituto Superior de Engenharia de Coimbra	PT	D	C	E	C	C	D	C	C

			Teaching & Learning			Teaching & Learning (student survey)			International Orientation	
#	IES	país	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
306	Polytech. Inst. Viana do Castelo	PT	C	D	-	C	D	D	-	C
327	Polytech. Inst. Lisbon	PT	C	D	-	-	-	-	D	-
329	Polytech. Inst. Coimbra Escola Superior de Educação de Coimbra	PT	-	-	C	-	-	-	D	-
349	Polytech. Inst. Coimbra Escola Superior de Tecnologia de Gestão de Oliveira do Hospital	PT	-	-	E	-	-	-	D	-
380	Polytech. Inst. Portalegre	PT	-	-	-	-	-	-	-	-

Total: 396 universidades

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

3.3 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.

http://www.multirank.eu/fileadmin/downloads/readymades/Rankings_Description_Fieldbase_Teaching_Learning_Electrical_Engineering_UMR_2015.pdf

[...]

Student-staff ratio - The number of students (headcount) per member of the academic staff (headcount).

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 in work; and (2) the percentage of students doing an internship; and (3) teaching by practitioners from outside university departments.

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.⁵

⁵ <http://www.u-multirank.eu/#!/readymade?trackType=illustrative&sightMode=undefined&ranking=18&sortCol=overallPerformance&sortOrder=desc§ion=illustrativeRanking> acedido 30 de março de 2015

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

			Teaching & Learning			Teaching & Learning (student survey)			International Orientation	
#	IES	país	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	U Lisbon	PT	D	A	-	B	C	C	A	-
32	Polytech. Inst. Coimbra	PT	D	A	-	-	-	-	A	-
70	U Fernando Pessoa	PT	A	D	-	-	-	-	B	-
86	U Minho	PT	C	D	A	-	-	-	C	-
94	U Coimbra	PT	D	A	D	-	-	-	C	-
111	U Porto	PT	D	B	-	B	B	B	D	B
147	Polytech. Inst. Braganca	PT	B	C	C	-	-	-	C	-
163	U Aveiro	PT	D	B	-	-	-	-	D	-
167	Polytech. Inst. Viana do Castelo	PT	B	-	-	-	-	-	-	-
180	Polytech. Inst. Lisbon	PT	C	D	-	D	D	D	D	-
195	U Algarve	PT	-	D	-	-	-	-	D	-

Total: 209 universidades

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

3.4 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.

http://www.multirank.eu/fileadmin/downloads/readymades/Rankings_Description_Fieldbase_Teaching_Learning_Mechanical_Engineering_UMR_2015.pdf

[...]

Student-staff ratio - The number of students (headcount) per member of the academic staff (headcount).

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 in work; and (2) the percentage of students doing an internship; and (3) teaching by practitioners from outside university departments.

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.”⁶

⁶ <http://www.u-multirank.eu/#!/readymade?trackType=illustrative&sightMode=undefined&ranking=19&sortCol=overallPerformance&sortOrder=desc§ion=illustrativeRanking> acedido 30 de março 2015

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

			Teaching & Learning			Teaching & Learning (student survey)			International Orientation	
#	IES	país	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	U Minho	PT	A	C	A	-	-	-	A	-
73	U Coimbra	PT	D	A	-	-	-	-	B	-
94	U Lisbon	PT	D	-	D	C	D	D	A	-
103	Polytech. Inst. Viana do Castelo	PT	A	C	-	-	-	-	-	-
107	U Algarve	PT	A	D	-	-	-	-	-	-
119	U Porto	PT	B	B	-	B	C	B	D	-
162	U Aveiro	PT	D	B	-	-	-	-	D	-
173	Polytech. Inst. Braganca	PT	C	C	C	-	-	-	C	-
179	Polytech. Inst. Coimbra	PT	C	C	-	-	-	-	C	-
180	Polytech. Inst. Lisbon	PT	D	D	-	C	C	D	D	-
186	Polytech. Inst. Leiria	PT	D	C	-	-	-	-	D	-

Total : 216 universities

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

3.5 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.

http://www.multirank.eu/fileadmin/downloads/readymades/Rankings_Description_Fieldbase_Teaching_Learning_Medicine_UMR_2015.pdf

[...]

Student-staff ratio - The number of students (headcount) per member of the academic staff (headcount).

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.”⁷

⁷ <http://www.u-multirank.eu/#!/readymade?trackType=illustrative&sightMode=undefined&ranking=22&sortCol=overallPerformance&sortOrder=desc§ion=illustrativeRanking> acedido 30 de março de 2015

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

#	IES	país	Teaching & Learning			Teaching & Learning (student survey)			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
13	U Algarve	PT	A	D	A	C	-	B	C	-
61	U Beira Interior	PT	B	D	A	-	-	-	D	-
64	U Nova Lisbon	PT	B	D	-	-	-	-	A	-
76	U Lisbon	PT	A	D	C	-	-	-	D	-
80	U PortoFaculdade de Medicina da Universidade do Porto	PT	D	A	-	-	-	-	C	-
106	U Coimbra	PT	-	D	B	-	-	-	B	-
122	U PortoInstituto de Ciências Biomédicas Abel Salazar da Universidade do Porto	PT	-	D	-	-	-	-	B	-
138	U Minho	PT	D	D	-	-	-	-	C	-

Total: 167 universidades

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

3.6 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.

http://www.multirank.eu/fileadmin/downloads/readymades/Rankings_Description_Fieldbase_Teaching_Learning_Physics_UMR_2015.pdf

[...]

Student-staff ratio - The number of students (headcount) per member of the academic staff (headcount).

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 in work; and (2) the percentage of students doing an internship; and (3) teaching by practitioners from outside university departments.

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.”⁸

⁸ <http://www.u-multirank.eu/#!/readymade?trackType=illustrative&sightMode=undefined&ranking=17&sortCol=overallPerformance&sortOrder=desc§ion=illustrativeRanking> acedido 30 de março de 2015

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

			Teaching & Learning			Teaching & Learning (student survey)			International Orientation	
#	IES	país	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	U Porto	PT	C	A	-	D	D	C	A	-
34	U Coimbra	PT	-	A	B	-	-	-	B	-
126	U LisbonIST - Instituto Superior Técnico	PT	C	-	-	C	C	C	B	-
141	U Aveiro	PT	D	B	-	-	-	-	C	-
158	U Minho	PT	C	C	-	-	-	-	C	-
170	U LisbonFC - Faculdade de Ciências	PT	C	-	-	D	D	-	D	-

Total: 192 universidades

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

3.7 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.

http://www.multirank.eu/fileadmin/downloads/readymades/Rankings_Description_Fieldbase_Teaching_Learning_Psychology_UMR_2015.pdf

[...]

Student-staff ratio - The number of students (headcount) per member of the academic staff (headcount).

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 in work; and (2) the percentage of students doing an internship; and (3) teaching by practitioners from outside university departments.

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.”⁹

⁹ <http://www.u-multirank.eu/#!/readymade?trackType=illustrative&sightMode=undefined&ranking=21&sortCol=overallPerformance&sortOrder=desc§ion=illustrativeRanking> acedido 30 de março de 2015

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

#	IES	país	Teaching & Learning			Teaching & Learning (student survey)		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	U Fernando Pessoa	PT	A	A	A	-	-	C	-
6	Catholic U Portugal	PT	A	A	B	B	B	D	B
11	U Lisbon	PT	D	A	A	-	-	B	-
12	U Minho	PT	A	D	B	-	-	A	-
21	U Coimbra	PT	-	B	B	B	B	A	B
37	U Algarve	PT	A	C	B	-	-	B	-
71	U Madeira	PT	C	A	C	-	-	D	-
75	U Beira Interior	PT	D	A	C	-	-	D	-
108	U Institute Lisbon	PT	C	B	B	-	-	C	-
125	Portugalense U	PT	B	C	C	-	-	D	-

Total: 199 universidades.

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

4. Readymade International Orientation Rankings

4.1 Institutional

“This readymade ranking aims to show how selected U-Multirank institutions are performing in terms of four performance indicators of international orientation. While it is not possible to produce a definitive list of the world’s “top performing” universities in terms of international orientation, U-Multirank shows top performances in different aspects of internationalisation.

http://www.multirank.eu/fileadmin/downloads/readymades/Rankings_Description_Institutional_International_Orientation_UMR_2015.pdf

[...]

Student mobility - A composite of international incoming exchange students, outgoing exchange students and students in international joint degree programmes.

International academic staff - The percentage of academic staff (on a headcount basis) with foreign citizenship.

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

International doctorate degrees - The percentage of doctorate degrees that are awarded to international doctorate candidates.”¹⁰

Universidades portuguesas no U-Multirank readymade International Orientation Rankings: Institutional

			International Orientation			
#	IES	país	Student mobility	International academic staff	International joint publications	International doctorate degrees
84	U Minho	PT	A	A	A	D
85	U Nova Lisbon	PT	A	A	A	D
121	U Algarve	PT	A	B	A	D
128	U Porto	PT	A	B	A	D
139	U Aveiro	PT	A	C	A	C
154	U Coimbra	PT	A	D	A	D
156	U Lisbon	PT	A	D	A	D
199	U Fernando Pessoa	PT	C	D	B	A
238	Catholic U Portugal	PT	A	-	C	D
284	Portugalense U	PT	B	D	x	E

Total: 313 universidades

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

¹⁰ <http://www.u-multirank.eu/#!/readymade?trackType=illustrative&sightMode=undefined&ranking=9&sortCol=overallPerformance&sortOrder=desc§ion=illustrativeRanking> acedido 30 de março de 2015

4.2 Business Studies

“This readymade ranking aims to show how selected U-Multirank institutions are performing in terms of four performance indicators of international orientation. While it is not possible to produce a definitive list of the world’s “top performing” universities in terms of international orientation, U-Multirank shows top performances in different aspects of internationalisation.

http://www.multirank.eu/fileadmin/downloads/readymades/Rankings_Description_Fieldbase_International_Orientation_Business_Studies_UMR_2015.pdf

[...]

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

International doctorate degrees - The percentage of doctorate degrees that are awarded to international doctorate candidates.

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

International research grants -The proportion of external research revenue – including public and private funding organisations and businesses – that comes from other countries.”¹¹

Universidades portuguesas no U-Multirank readymade International Orientation Rankings: Business Studies

#	IES	país	International Orientation			
			International orientation of master programmes	International doctorate degrees	International joint publications	International research grants
7	Catholic U Portugal	PT	A	A	A	E
40	U Porto	PT	A	D	A	D
104	U Lisbon	PT	B	D	B	D
112	U Coimbra	PT	B	D	C	E
120	U Fernando Pessoa	PT	B	E	x	-
123	U Minho	PT	C	E	C	D
146	Portugalense U	PT	C	E	x	x
147	U Algarve	PT	-	-	x	C

Total: 169 universidades

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

¹¹ <http://www.u-multirank.eu/#!/readymade?trackType=illustrative&sightMode=undefined&ranking=13&sortCol=overallPerformance&sortOrder=desc§ion=illustrativeRanking> acedido 30 de março de 2015

4.3 Computer Science

“This readymade ranking aims to show how selected U-Multirank institutions are performing in terms of four performance indicators of international orientation. While it is not possible to produce a definitive list of the world’s “top performing” universities in terms of international orientation, U-Multirank shows top performances in different aspects of internationalisation.

http://www.multirank.eu/fileadmin/downloads/readymades/Rankings_Description_Fieldbase_International_Orientation_Computer_Science_UMR_2015.pdf

[...]

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

International doctorate degrees - The percentage of doctorate degrees that are awarded to international doctorate candidates.

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

International research grants -The proportion of external research revenue – including public and private funding organisations and businesses – that comes from other countries.”¹²

Universidades portuguesas no U-Multirank readymade International Orientation Rankings: Computer Science

			International Orientation			
#	IES	país	International orientation of master programmes	International doctorate degrees	International joint publications	International research grants
28	U Coimbra	PT	C	A	C	A
51	U Nova Lisbon Faculty of Science and Technology/Electrical and Computer Engineering	PT	B	E	B	A
62	U Lisbon	PT	C	D	B	A
73	U Algarve	PT	B	D	A	D
101	U Fernando Pessoa	PT	A	E	x	E
110	U Nova Lisbon Faculty of Science and Technology/Computer Science and Engineering	PT	D	B	B	C
162	Portucalense U	PT	D	x	x	x

Total : 167 universidades

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

¹² <http://www.u-multirank.eu/#!/readymade?trackType=illustrative&sightMode=undefined&ranking=23&sortCol=overallPerformance&sortOrder=desc§ion=illustrativeRanking> acedido 30 de março de 2015

4.4 Electrical Engineering

“This readymade ranking aims to show how selected U-Multirank institutions are performing in terms of four performance indicators of international orientation. While it is not possible to produce a definitive list of the world’s “top performing” universities in terms of international orientation, U-Multirank shows top performances in different aspects of internationalisation.

http://www.multirank.eu/fileadmin/downloads/readymades/Rankings_Description_Fieldbase_Teaching_Learning_Electrical_Engineering_UMR_2015.pdf

[...]

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

International doctorate degrees - The percentage of doctorate degrees that are awarded to international doctorate candidates.

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

International research grants -The proportion of external research revenue – including public and private funding organisations and businesses – that comes from other countries.”¹³

Universidades portuguesas no U-Multirank readymade International Orientation Rankings: Electrical Engineering

#	IES	país	International Orientation			
			International orientation of master programmes	International doctorate degrees	International joint publications	International research grants
28	U Lisbon	PT	A	C	C	A
48	U Porto	PT	D	D	A	B
49	U Algarve	PT	D	E	B	A
54	U Fernando Pessoa	PT	B	E	x	A
61	U Aveiro	PT	D	C	A	E
70	U Minho	PT	C	D	B	B
78	U Coimbra	PT	C	D	B	E

Total: 102 universidades

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

¹³ <http://www.u-multirank.eu/#!/readymade?trackType=illustrative&sightMode=undefined&ranking=11&sortCol=overallPerformance&sortOrder=desc§ion=illustrativeRanking> acedido 30 de março de 2015

4.5 Mechanical Engineering

“This readymade ranking aims to show how selected U-Multirank institutions are performing in terms of four performance indicators of international orientation. While it is not possible to produce a definitive list of the world’s “top performing” universities in terms of international orientation, U-Multirank shows top performances in different aspects of internationalisation.

http://www.multirank.eu/fileadmin/downloads/readymades/Rankings_Description_Fieldbase_International_Orientation_Mechanical_Engineering_UMR_2015.pdf

[...]

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

International doctorate degrees - The percentage of doctorate degrees that are awarded to international doctorate candidates.

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

International research grants -The proportion of external research revenue – including public and private funding organisations and businesses – that comes from other countries.”¹⁴

Universidades portuguesas no U-Multirank readymade International Orientation Rankings: Mechanical Engineering

			International Orientation			
#	IES	país	International orientation of master programmes	International doctorate degrees	International joint publications	International research grants
9	U Minho	PT	A	D	A	A
16	U Lisbon	PT	A	D	B	A
34	U Porto	PT	D	A	B	B
57	U Aveiro	PT	D	D	A	E
64	U Algarve	PT	-	x	x	A
65	U Coimbra	PT	B	D	B	E

Total: 103 universidades

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

¹⁴ <http://www.u-multirank.eu/#!/readymade?trackType=illustrative&sightMode=undefined&ranking=12&sortCol=overallPerformance&sortOrder=desc§ion=illustrativeRanking> acedido 30 de março de 2015

4.6 Medicine

“This readymade ranking aims to show how selected U-Multirank institutions are performing in terms of four performance indicators of international orientation. While it is not possible to produce a definitive list of the world’s “top performing” universities in terms of international orientation, U-Multirank shows top performances in different aspects of internationalisation.

http://www.multirank.eu/fileadmin/downloads/readymades/Rankings_Description_Fieldbase_International_Orientation_Medicine_UMR_2015.pdf

[...]

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

International doctorate degrees - The percentage of doctorate degrees that are awarded to international doctorate candidates.

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

International research grants -The proportion of external research revenue – including public and private funding organisations and businesses – that comes from other countries.”¹⁵

Universidades portuguesas no U-Multirank readymade International Orientation Rankings: Medicine

			International Orientation			
#	IES	país	International orientation of master programmes	International doctorate degrees	International joint publications	International research grants
5	U Nova Lisbon	PT	A	B	A	A
11	U PortoFaculdade de Medicina da Universidade do Porto	PT	C	A	B	A
16	U Algarve	PT	C	A	A	E
17	U Minho	PT	C	E	A	A
28	U Coimbra	PT	B	D	C	A
64	U PortoInstituto de Ciências Biomédicas Abel Salazar da Universidade do Porto	PT	B	-	B	E
75	U Lisbon	PT	D	E	B	E

Total: 95 universidades

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

¹⁵ <http://www.u-multirank.eu/#!/readymade?trackType=illustrative&sightMode=undefined&ranking=25&sortCol=overallPerformance&sortOrder=desc> acedido 30 de março de 2015

4.7 Physics

“This readymade ranking aims to show how selected U-Multirank institutions are performing in terms of four performance indicators of international orientation. While it is not possible to produce a definitive list of the world’s “top performing” universities in terms of international orientation, U-Multirank shows top performances in different aspects of internationalisation.

http://www.multirank.eu/fileadmin/downloads/readymades/Rankings_Description_Fieldbase_International_Orientation_Physics_UMR_2015.pdf

[...]

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

International doctorate degrees - The percentage of doctorate degrees that are awarded to international doctorate candidates.

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

International research grants -The proportion of external research revenue – including public and private funding organisations and businesses – that comes from other countries.”¹⁶

Universidades portuguesas no U-Multirank readymade International Orientation Rankings: Physics

			International Orientation			
#	IES	país	International orientation of master programmes	International doctorate degrees	International joint publications	International research grants
32	U LisbonIST - Instituto Superior Técnico	PT	B	D	B	A
33	U Porto	PT	A	B	B	E
43	U Minho	PT	C	E	B	A
46	U Coimbra	PT	B	D	A	E
71	U LisbonFC - Faculdade de Ciências	PT	D	E	B	B
77	U Aveiro	PT	C	D	B	E

Total: 108 universidades

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

¹⁶ <http://www.u-multirank.eu/#!/readymade?trackType=illustrative&sightMode=undefined&ranking=10&sortCol=overallPerformance&sortOrder=desc§ion=illustrativeRanking> acedido 30 de março de 2015

4.8 Psychology

“This readymade ranking aims to show how selected U-Multirank institutions are performing in terms of four performance indicators of international orientation. While it is not possible to produce a definitive list of the world’s “top performing” universities in terms of international orientation, U-Multirank shows top performances in different aspects of internationalisation.

http://www.multirank.eu/fileadmin/downloads/readymades/Rankings_Description_Fieldbase_International_Orientation_Psychology_UMR_2015.pdf

[...]

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

International doctorate degrees - The percentage of doctorate degrees that are awarded to international doctorate candidates.

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

International research grants -The proportion of external research revenue – including public and private funding organisations and businesses – that comes from other countries.”¹⁷

Universidades portuguesas no U-Multirank readymade International Orientation Rankings: Psychology

#	IES	país	International Orientation			
			International orientation of master programmes	International doctorate degrees	International joint publications	International research grants
1	U Minho	PT	A	D	A	A
11	U Coimbra	PT	A	x	D	A
26	U Algarve	PT	B	D	A	E
27	Catholic U Portugal	PT	D	x	A	B
39	U Fernando Pessoa	PT	C	A	x	E
46	U Lisbon	PT	B	E	B	B
103	Portucalense U	PT	D	x	x	x

Total: 114 universidades

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

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<http://www.umultirank.org/#!/readymade?trackType=illustrative&sightMode=undefined&ranking=24&sortCol=overallPerformance&sortOrder=desc§ion=illustrativeRanking> acedido 30 de março de 2015