



Study Plan

School: School of Social Sciences

Degree: Master

Course: Teaching Mathematics in the 3rd Cycle of Basic School and in Secondary School (cód. 199)

1st Year - 1st Semester

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
PSI08597	Adolescence Developmental Psychology	Psychology	2.5	Trimester	65
PSI08598	Educational Psychology	Psychology	2.5	Trimester	65
PED08599	Introduction to Educational Sciences	Education Sciences	2.5	Trimester	65
SOC08602	Introduction To Sociology of Education	Sociology	2.5	Trimester	65
PED08606	Principles of Curricular Development	Education Sciences	2.5	Trimester	65
PED08608	ICT (Information and Communication Technologies) in Education	Education Sciences	5	Semester	130
FIL08613	Ethics and Deontology of Teaching as a Profession	Philosophy	2.5	Trimester	65
PED08614	Education and Values	Education Sciences	2.5	Trimester	65
PED08642	Foundations of mathematics teaching	Education Sciences	5	Semester	130
MAT08639	Project in Statistics	Mathematics	2.5	Trimester	65

1st Year - 2nd Semester

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
PED08644	Educational Research	Education Sciences	2.5	Trimester	65
PED08645	History of Education in Portugal	Education Sciences	2.5	Trimester	65
PED08646	Didactics of MathematicsTechnology in Mathematics Education	Education Sciences	10	Semester	260
PED08647	Observation and Analysis of Educational Environments	Education Sciences	5	Semester	130
MAT08648	Project in Mathematics	Mathematics	5	Trimester	130

Group of Options

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
FIL08656	Gender, Education and Citizenship	Education Sciences	2.5	Trimester	65
PED08657M	Mediation and Conflit Resolution in Educational Environments	Education Sciences	5	Semester	130
PED08658	Models and Theories Teacher Training	Education Sciences	5	Semester	130
PED08659	Literary Education	Education Sciences	2.5	Trimester	65
PED08660	School Libraries	Education Sciences	5	Semester	130
PED08661	Education in First-aid and Society	Education Sciences	5	Semester	130



2nd Year - 3rd Semester

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
PSI08650	Specific Needs of Education and Adolescence	Psychology	2.5	Trimester	65
PED08651	Methods and Techniques of Education Research	Education Sciences	10	Semester	260
PED08653	School Environment Communication	Education Sciences	2.5	Trimester	65
PED08654	Educational Administration and Organization	Education Sciences	2.5	Trimester	65
PED09504	Supervised Teaching (MAT)	Education Sciences	42.5	Year	1105

2nd Year - 4th Semester

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
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Conditions for obtaining the Degree:

*** TRANSLATE ME: Para aprovação na componente curricular é necessário a aprovação (através de avaliação ou creditação) das seguintes unidades curriculares: { \ } newline

{ \ } newline

1º Semestre: { \ } newline

10 UC obrigatórias num total de 30 Ects { \ } newline

{ \ } newline

2º Semestre: { \ } newline

5 UC obrigatórias num total de 25 Ects { \ } newline

UC optativa do Grupo I num total de 5 Ects { \ } newline

{ \ } newline

3º Semestre: { \ } newline

4 UC obrigatórias num total de 17.5 Ects { \ } newline

{ \ } newline

3º e 4º Semestre: { \ } newline

UC de Prática de Ensino Supervisionada num total de 42.5 ECTS { \ } newline

{ \ } newline

É necessário também a aprovação no acto público de defesa do relatório da unidade curricular relativa à prática de ensino supervisionada. ***

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Principles of Curricular Development (PED08606)

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ICT (Information and Communication Technologies) in Education (PED08608)

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Ethics and Deontology of Teaching as a Profession (FIL08613)

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Education and Values (PED08614)

1. General Axiology - main problems.
2. Educational Axiology - Themes and key issues.
3. Orders of Value to consider in education.
 - a) Practical Values
 - b) Vital Values (of the body and health).
 - c) Logical or noetic Values.
 - d) Ecological Values.
 - e) Religious Values.
 - f) Civic and Political Values.
 - g) Aesthetic Values.
 - h) Ethical Values.
4. Conclusion: Toward an axiological diagnosis of our time.

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Foundations of mathematics teaching (PED08642)



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Gender, Education and Citizenship (FIL08656)

1. Introduction: Education, Culture and Citizenship
2. Liberalism in defense of Public Instruction and the birth of the citizen
3. The Republic: the construction of the "New Man" a beam of education (1910-1926)
4. Women's suffrage and the fight against illiteracy
5. The "Estado Novo" and evolution of schooling, women's suffrage and the first MPs
6. The evolution of citizenship through constitutions and electoral laws in Portugal (1820-1975)
7. The new challenges of citizenship

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Mediation and Conflict Resolution in Educational Environments (PED08657M)



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Models and Theories Teacher Training (PED08658)

1. Tentative definition of "teacher"
2. Teachers in modern educational systems: roles, functions and performance.
3. About the need for teacher education.
4. The training of teachers in education policy Portuguese: the legislative building.
5. Problems and perspectives of teacher education.
6. The major types of conceptual models of teacher education.
7. Teacher education in the European Union: trends and characteristics.
8. Models of professional development
9. Accountability of teachers: the moral and social aspects.
10. Contributions to a code of ethics of the teaching profession.
11. Teacher education and cultural diversity.
12. The model of teacher training and the current concept of education for cultural diversity.
13. Attempts to systematize the "portraits" of teachers

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Literary Education (PED08659)

1. The specificities of literary communication.
2. The importance of the significant experience of the texts in the promotion of a literary education.
3. The emergence of new media and its coexistence with the conventional ones.
4. The importance, to the promotion of a literary education, of the relationship between literature and other semiotic codes.

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School Libraries (PED08660)

- The library and the school library.
- The School Libraries Network: history and legislation.
- Documents of the School Libraries Network.
- The support for curriculum development and the School Library.
- The role of School Library in the development of reading and literacy.
- Relationship between School Library and the educational community.
- Management of School Library.
- The Evaluation Model School Library.

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Education in First-aid and Society (PED08661)

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