



ProDEI-DOCTORAL PROGRAM IN INFORMATICS ENGINEERING

INSTITUTIONAL WEBSITE: [Portuguese](#)
[English](#)

PRODEI specific [Webpage](https://web.fe.up.pt/~dei/prodei/en/home/) (<https://web.fe.up.pt/~dei/prodei/en/home/>)

Edition 2016-19 (12th Edition)
Eugénio Oliveira



FULL ACREDITATION OF PRODEI Programme

A3ES

Agência de Avaliação
e Acreditação
do Ensino Superior

Accreditation by A3ES

The **Agency for Assessment and Accreditation of Higher Education (A3ES)**

at the Administration Council meeting of 2014/06/20,
decided to accredit the study programme PRODEI,

without any additional conditions

in agreement with the External Assessment Team recommendation and justifications.



Aims

Mobility, comparability, competitiveness

- “Bologne Declaration”:
- Research in topics relevant for the **Informatics Engineering** area:
 - theoretical basis, plus ...
 - specification, modelling, representation, architecture, design, evaluation and exploration **informatic systems**,
 - acquisition, representation and management of information (Data/Knowledge).
- important is also the integration of informatic technologies in **organizational** environments .



Differentiation

Good work on Computer Science or Computer Engineering
Is also welcome!!

- Not “just” **Informatics**.
 - Important, it is also methodological or implementation work according to **Engineering** “good practice” requirements.
- Thus: different from a PhD in “Informatics” (and CS)
 - keep high the **scientific** level (always present in all good Doctoral programs).



Differentiation

- Not a Doctoral Program in “... .. **and Computers**”.
 - Emphasis is not on the “hardware” (computers, networks ...) but rather on “**models, processes, methods, software**” related to electronic INFORMATION processing
 - **Not** restricted to either specific subjects, or **specific** application domains (production, medicine, services...)
 - Open to all current innovating topics in the **Informatics Engineering** area



Mission

- A good PhD student has to take into account:
 - To follow appropriate **scientific** methods
 - To be aware of the **cultural** environment
 - To master relevant **tools** for potential applications
 - To be always guided by **ethical** principles

- Both the **Scientific Committee** and the **Student Advisory Committee** may always help when doubts arise



Program Scheduling

1st Semester

Starting date: 19th September 2016

FEUP's Day – no formal classes: January 13th 2017

Christmas holidays : 19th December 2016 to 1st January 2017

FEUP's Week – (with PRODEI classes): Oct. 31 to Nov. 04, 2016

Starting Exams period: 02nd January 2017

End of Exams period : 03th February 2017

2nd Semester

Starting date : 06th February 2017

Carnival “break”: 27th and 28th February 2017

“University of Porto Day”: 22nd March 2017

Easter Holliday : 10th to 17th April 2017

“Queima das Fitas” – (Classes) : 08th May to 12th May 2017

End of the Classes period: 26th May 2017

Starting Exams period : 29th May to 30th of June 2017

End of Exams period: 28th May to 30^h of July 2017

Deadline for grading publication: 14th of July 2017

Courses starting at 17h (5 pm)



ECTS-European Credits Transfer System

1º Semester

2ºSemester

MSR -MIC 12 ECTS	Research Planning
Optional Course 6 ECTS	Research Planning 18 ECTS
Optional Course 6 ECTS	Optional Course 6 ECTS
Optional Course 6 ECTS	Optional Course 6 ECTS

60 ECTS → 1620 H

About 40 weeks → about 40H/week !!



“definitive registration” was during the 2nd year
New Rules: Final of FIRST year !!

Supervision

- Supervisor: UP Professor plus, if needed, a **co-Supervisor** (might be external)
- End of 1st Year or beginning of 2nd Year:
- a **Qualifying Committee** provides support by:
 - advising about research to be pursued by the student.
 - evaluating and giving Opinion about the thesis **proposal**, after a specific meeting for that purpose.
- **Scientific Board**



ProDEI Executive & Scientific Boards

- **Program Director**

Eugénio Oliveira (eco@fe.up.pt)



- **Scientific Board**

*Eugénio Oliveira, A. Augusto Sousa
João Paiva Cardoso, Rui Maranhão*



ProDEI Executive & Scientific Boards

- **Program Advisory Committee**

Includes: one instructor and two students



Henrique Lopes Cardoso (hlc@fe.up.pt)



Código: 200601333

Nome: *José Nuno Cardoso*



Código: 200405299

Nome: *João Miguel Rocha da Silva*



ProDEI Executive & Scientific Boards

Scientific Board

- To evaluate the student's needs and to propose, whenever appropriate, a **course** on “Free Study” according to Regulations;
- Issues an Opinion, (after PI course available results), about the student **definitive admission** to the Program, according to the Regulations;
- Issues an Opinion, after listen to the PhD student's Qualifying Committee, about the possibility for the student to **submit the final dissertation**, according to the Regulations.
- **Supervisor (UP) and (co-supervisor)**



ProDEI Advisory Boards

- **Qualifying Committee**

- includes the **supervisor and co-supervisor**, if exists.

- plus **two professors or experts** well known in the selected scientific area and appointed by the ProDEI Scientific Board, after listening to the supervisor.

At least ***one of the members has to be from outside FEUP.***

- Issues a well founded opinion on the **Thesis work plan** and provides support, when asked, to guide students research work.

- **(PRODEI) Advisory Committee**

- Listen to, and convey, Students problems and suggestions to the Scientific Committee



PRODEI Students

- **2005-... Edition**

- Applications: 20
- Selected: **15**

- **2006-... Edition**

- Applications: 23
- Selected : **20**

- **2007-... Edition**

- Applications: 25 (including students from previous programs)
- Selected : **22** (including students from previous programs)

- **2008-... Edition**

- Applications : 25
- Selected : **19**

- **2009-... Edition**

- Applications: 34
- Selected : **25**

- **2010-... Edition**

- Applications: 43
- Selected : 25+2
- officially working on theses: 46 (total)

- **2011-... Edition**

- Applications: 32
- Selected : 25

- . **2012- ... Edition**

- . Applications: 16
- . Selected- 13

- . **2013-... Edition**

- . Applications: 21
- . Selected: 13

- . **2014-... Edition**

- . Applications: 8
- . Selected: **8**

- . **2015-... Edition**

- . Applications: 8
- . Selected: **7**

- **2016-... Edition**
- Applications: 16
- Selected : **13**



Duration

- at least **three years**, full time equivalent activity, hopefully not exceeding **four years**.
- in the presence of exceptional circumstances and on the student's demand, posted 90 days before the deadline, the dissertation submission may be **anticipated**, or submitted **after** four years, if:



Duration

Requirements for extension:

- ProDEI **Scientific Board** favourable opinion,

and
- **FEUP Scientific Committee** decision, after listening to the Student's **Qualifying Committee**.



Official Information

https://sigarra.up.pt/feup/en/CUR_GERAL.CUR_VIEW?pv_ano_lectivo=2016&pv_origem=CUR&pv_tipo_cur_sigla=D&pv_curso_id=679

PRODEI Specific Web page:

<https://web.fe.up.pt/~dei/prodei/en/home/>

Secretariat:

DEI Secretariat :

Sandra Reis (Marisa/Lina)

22 508 2134

sreis@fe.up.pt



post-graduation Secretariat:

Sónia Carvalho

Águeda Gonçalves

Paula Valente

22 508 2130

sposgrad@fe.up.pt



Reading these stats together with other sections in this research made me think that the teachers surveyed in this study put **digital citizenship** on top of the continuum of **digital skills** ;

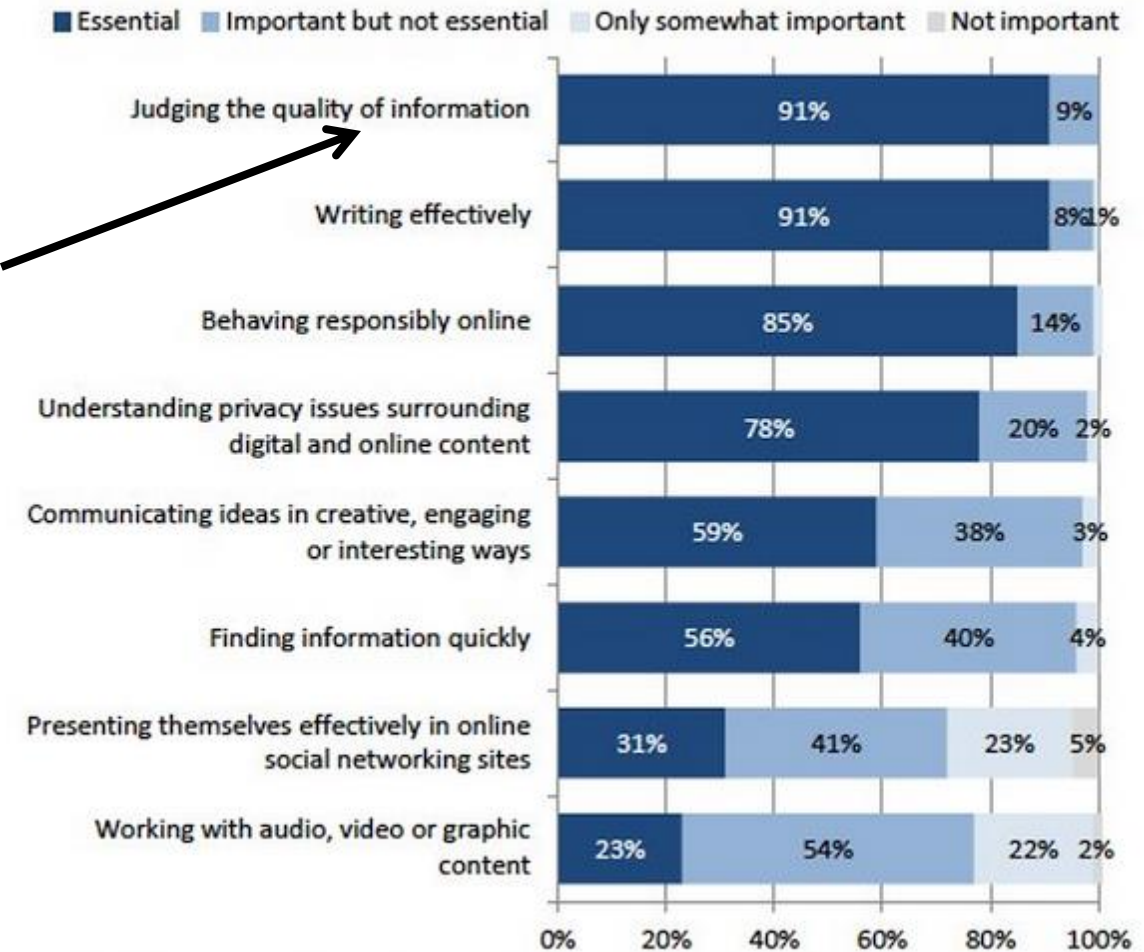
in other words,

knowing how to use **web tools** comes secondary to knowing the **reasons** for which to use them, or at least that is how I interpret it.

Conveying Motivation Is IMPORTANT!!

What skills do students need for the future?

How important do you feel each of the following skills is for your students to be successful in life?



Source: The Pew Research Center's Internet & American Life Project Online Survey of Teachers, March 7 to April 23, 2012. Based on a non-representative sample of 2,067 middle and high school teachers.



PhD Students:

Introducing themselves

