

Syllabus

Subject Teaching Plan

Teaching Guide
Program of Activities

Academic year: 2012/13

Term: 1

Name of subject: Public Policies in ICT (PPTIC)

Subject code: 21759

Course: Bachelor Degree in Audiovisuals Systems Engineering
Bachelor Degree in Telematics Engineering
Bachelor Degree in Informatics Engineering

Number of ECTS credits: 4

Total number of hours to be spent on the subject: 180

Timeframe:

Year: 3 or 4

Type: Optional

Period: 1st Term

Teaching staff: Jordi Bosch, Jorge Infante

Teaching Guide

1. Subject description

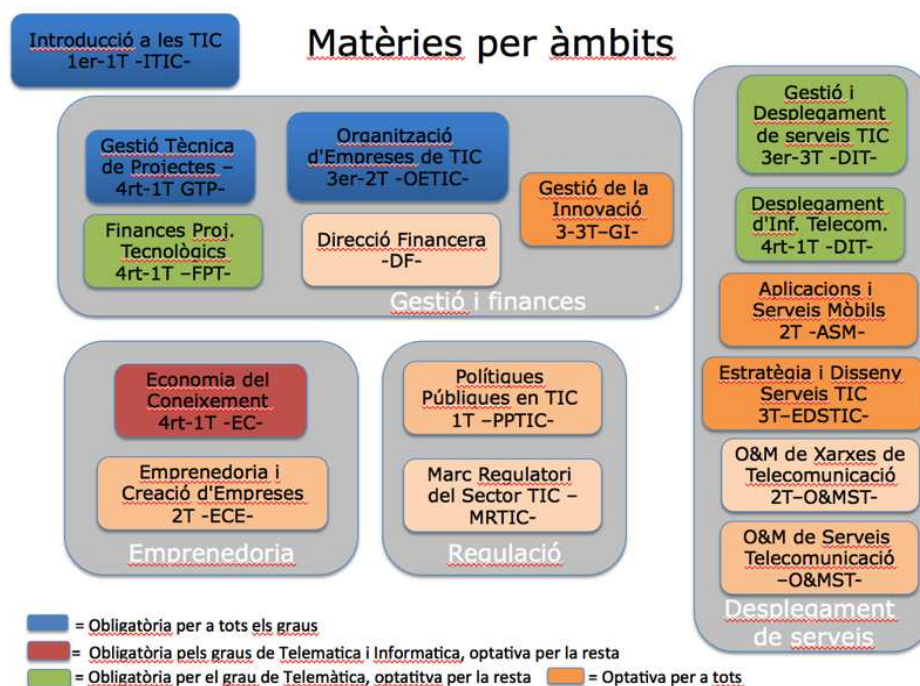
- Academic year: 2012/13
- Name of subject: Public Policies in ICT (PPTIC)
- Subject code: 21759
- Type of subject: Optional
- Qualification/Course:
 - Bachelor Degree in Audiovisuals Systems Engineering
 - Bachelor Degree in Telematics Engineering
 - Bachelor Degree in Informatics Engineering
- Number of ECTS credits: 4
- Total number of hours to be spent on the subject: 180
- *Timeframe:*
 - Year: 3 or 4
 - Type: Termly
 - Period: 1st Term
- *Co-ordination:* Jordi Bosch Garcia
- *Department:* Technology
- *Group:* Not applicable
- *Teaching staff:* Jordi Bosch, Jorge Infante
- *Department:* Department of Information and Communication Technologies
- *Teaching language:* English, Catalan and Spanish
- *Building where the subject is taught:* Roc Boronat
- *Timetable:*

Monday	(8:30h to 10:30h)
Tuesday	(12:30h to 14:30h)
Friday	(8:30 to 10:30)

2. Introduction to the Subject

The course in **Public Policies in ICT (PPTIC)** is part of the block of Regulation subjects. This block consists of two elective courses for all grades (**Grade in Audiovisuals Systems Engineering, Grade in Telematics Engineering and Grade in Informatics Engineering**).

The second course, the **ICT Sector Regulatory Framework (MRTIC)**, will be deployed in the near future.



Only for this year, the course in **Public Policies in ICT (PPTIC)** shares contents and sessions with the subject **Telecommunications Policy and Regulation (PRT)** from **Telecommunications Engineering**, both endangered (becoming extinct).

As **Telecommunications Policy and Regulation (PRT)** takes more ECTS, there will be some additional sessions dedicated only to **Telecommunications Engineering** students.

Until both subjects **PPTIC** and **MRTIC** are not fully deployed, some contents from **MRTIC** will be included in **PPTIC**. Once both subjects are developed, each will contain its own contents in more detail and depth.

In this sense, Public Policies in ICT (PPTIC) introduces students towards a different perspective on the activities related to the ICT sector, this is from the standpoint of the public sector.

The public sector is very broad. We will see, from every level of public administration (Europe, Spain, Catalonia, provincial, county councils, municipalities..) and from each field (telecommunications, information society, culture, media, e-government, industry...), the different responsibilities and actions in environments such as legal, regulation, promotion, development or procurement.

Policies are never neutral, and involve different mental models of society, economics and country which students need to know and interpret. This will be a subject with both, a theoretical and practical clear approach, where student participation is very important. The ability to understand the implications beyond the reality is something to be developed throughout the course.

It will, moreover, allow the student to identify the public sector as an environment in which to develop his professional career.

3. Skills to be obtained through the subject

General Skills	Specific Skills
<i>Instrumental</i> INS3.Capacity to apply knowledge to the analysis of situations and to problems solving. INS4.Ability to search and manage information. INS5.Ability in decisions taking. <i>Interpersonal</i> INT1.Capacity for team working. INT2.Capacity to work in International and interdisciplinary contexts. INT3.Capacity of leadership, coordination and initiative. <i>Systemic</i> SIS1.Capacity to implement with flexibility and creativity the new knowledge and to adapt it to new contexts and situations. SIS2.Capacity to autonomous and continuously progress in training and learning processes. SIS3.Capacity to recognize and understand diversity and multiculturalism. SIS4.Capacity of motivation by quality. SIS5.Capacity to generate brand new ideas.	P6.Ease in handling specifications, regulations and mandatory regulations. P7.Capacity to analyze and to assess the social and environmental impact of technical solutions. P8.Understand and apply basic elements of economics and human resources management, organization and planning, as well as legislation, regulation and standardization of telecommunications. P9.Ability to work in a multidisciplinary and multilingual environment and to communicate both orally and in writing, knowledge, procedures, results and ideas related to Information Technologies and Communications and, more particularly, to telecommunications and electronics. T6.Ability to conceive, develop, organize and manage networks, systems, services and telecommunications infrastructure in certain residential, business or institutional contexts with responsibility for its implementation and continuous improvement and to meet its economic and social impact.

4. Contents

1. Public Policies in ICT
 - 1.1. Public Administration
 - 1.2. Public Policies
 - 1.3. Vectors of Interest
 - 1.4. Universal Service
 - 1.5. Promotion Public Policies
 - 1.6. Sectorial Public Policies

2. Regulation Framework in ICT
 - 2.1. Introduction to Regulatory Framework for ICTs
 - 2.2. ECS Regulation in the EC

5. Assessment and Evaluation

General evaluation criteria:

Topic of Assessment	% of mark	Threshold	Retake at July call?	Retrieval
Attendance	N/A	$\geq 70\%$	NO	---
Seminaries	25%	$\geq 30\%$	NO	
Practices	10%	$\geq 30\%$	NO	
Preparation of theory classes	15%	$\geq 30\%$	NO	
Special Report	20%	$\geq 50\%$	YES	July Call New Activity
Final Exam	30%	$\geq 50\%$	YES	July Call New Exam

1. One of the richness of this course is the practical contribution that is made from the world of public administration and the participative discussions in class. That's why it cannot be passed the course without active participation.
2. If there is more than one activity, seminar or practice, each will contribute equally to the weight contribution to the overall mark. For example, if there are 2 debates, each one will contribute 50% of the weight reserved for debate activities.
3. In each of the concepts that make the mark, thresholds must be passed. If threshold is not exceeded in all, topics, subject will be considered as no passed.
4. Only the final test can be retrieved if result is below 50%.
5. The test can also be retrieved if having exceeded the threshold in all areas, the mark of the test is not enough to pass the course.
6. If a student is in an exceptional situation, it should be notified during the first week of course to the Director of Studies.

Attendance

All students must attend to a minimum of a 70% of the classes (including theory sessions, practices and seminars). Students attending less classes will fail the subject. Attendance cannot be recovered in the special exam after the trimester. Attending classes does not entitle to any additional mark.

Practices

Practices are organized around five sessions. The first and last one will be the introduction and concluding sessions of the subject. The other three practices sessions will consist on three lectures that will be given by recognized experts in the field of public policy. For each of the practices, students must prepare in small groups of three persons, one question for the speaker. The question will be based on a paper that will be supplied to students in advance and the practice is to be delivered before the lecture.

- 2 days after the practice session, all groups will deliver through Moodle (only one delivery per group) a summary of the speech using the template provided in this Practices Guide. *Only 1 page to write the summary. Name of file: PPTIC-PRT-Pnumberofpractice(2,3or4)-GPnumberofgroup-Summary.pdf Format in PDF - IN ENGLISH*

- 1 week before the practice session, all groups will deliver through Moodle (only one delivery per group) a question for the lecturer using the template provided in this Practices Guide. *Only 10 lines to write the question. Name of file: PPTIC-PRT-Pnumberofpractice(2,3or4)-GPnumberofgroup-Question.pdf Format in PDF - IN CATALAN or SPANISH*
- At the end of the speech, the lecturer will answer at least the questions proposed. Lecturer will identify the one he likes more.

Evaluation

- The 3 members of the group will have the same mark.
- The mark for the practice will be:
 - Based on presentation, instructions properly followed, clear summary, grammar and misspellings will be taken into account.
 - The group which proposed the question chosen by lecturer as the best, will have +1 point to the summary mark
 - More than 10 can be achieved for the exercise, so that worst evaluations in other activities can be compensated.
- Marks will be published 2 weeks after summary delivery.

In the practices guide available at Moodle you can find more detailed information about deadlines for each practice.

Seminaries

Seminars will follow the "debate" model in a similar way that was done by students in the subject "Introducció a les TIC" done in the first course. Specific instructions for seminars are given in the corresponding document to be published in Moodle.

There is a relevant difference with the debates followed in the first course, that must be taken in account by students. Debates in the first course were introductory, and the grades were assigned considering that the work was done by new young students. In the case of the debates for this subject, the assessment will be done considering that students are in the last grade of the studies. This means that both, the position papers and the sentences should be rigorous, well documented on empirical evidence and good references, and well written as expected from a telecommunication engineer.

Preparation of theory classes

For each theory session teachers will publish in Moodle a document to be read and studied in advance of the session by students. This has two purposes: a) Make the theory class more productive and interesting for students, as they will be already familiar with the issue to be address, and b) help the students to schedule the study of the subject, as all these readings of compulsory nature will be the base of the theory (together with the slides to be used in class and any other material considered as part of the theory by the teacher) for the final exam.

In order to check that students are really studying the readings assigned for each theory class, there will be random small exams in the beginning of part of the theoretical session.

The procedure will be the following:

- 1) At the beginning of the class a coin will be tossed. Heads will mean that an exam will take place. Tails means no exam will take place.

- 2) If a exam takes place, students will be asked to response to a question on the paper in written in 5 or 10 minutes. Exams will be gathered and a grade will be delivered in a week via Moodle.

The grade for the preparation of theory classes is the average of all grades obtained from these "random" exams. Students are requested to get a minimum of a 3,0 over 10,0 in this mark. Any student not getting a minimum of a 3,0 will fail the subject. This activity cannot be recovered in the extraordinary exam.

Special report

Students will deliver one week before ending the course a project a proposal for a "Catalonian broadband public policy roadmap", aimed to fulfill the European Digital Agenda. For the purposes of the exercise, imagine that Catalonia is an independent member of the European Union (i.e., the Catalonian Government would have all the powers available for Member States and following the regulatory framework of the EU for ICTs).

This work will be done in groups assigned by teachers in the first day of class and must be delivered the last day of the course.

Specific instructions are given in the document entitled "Special Report Guidelines"

6. Sources of information and teaching resources

6.1. Sources of information for learning. Basic bibliography.

Most of the material to be read by students and be used as supporting material for debates, special report and study is available in the website of the main institutions involved in the analysis and definition of public policies and regulation for ICTs:

- **European Commission:** All the directives, and in general legislation in force produced by the EC is gathered in the portal on eCommunications. This portal also includes public consultations and external studies commissioned by the EC on different issues related to public policies and services/networks regulation. Exhaustive information about the situation and public policies applied in the EU.

http://ec.europa.eu/information_society/policy/ecomm/library/index_en.htm

- **Organization for Economic Cooperation and Development (OECD):** This is a very well known think tank on economic and policy issues where the governments from the most developed countries in the world participate. Among other very different issues, the OECD addresses policy issues related to public policy and regulation issues for ICTs, identifying best practices among the most advanced countries. It is a very good source of information for data and public policies in the USA, advanced asian countries as Japan, Korea and Australia, and comparison with public policies applied in Europe.

www.oecd.org/

- **International Telecommunications Union (ITU):** ITU is an agency of United Nations focused on telecommunications issues. Apart from their work in standardization of telecommunications protocols (ITU-T), and spectrum coordination in the world (ITU-R), ITU-D is focused on development and public policy and regulatory issues for ICTs. It is a good source for information about public policy issues and data for the less developed countries.

www.itu.int

- **Board of European Regulators for Electronic Communication Services (BEREC):** BEREC is an EC Agency formed by all the National Regulatory authorities in the European Union (CMT among them). BEREC assists the Commission and the national regulatory authorities (NRAs) in implementing the EU regulatory framework for electronic communications, to give advice on request and on its own initiative to the European institutions and to complement at European level the regulatory tasks performed at national level by the regulatory authorities. In their website you can find very interesting reports on regulatory issues and public policies on many of the topics addressed in the subject.

www.erg.eu.int

- **Secretaría de Estado de Telecomunicaciones y Sociedad de la Información (SETSI):** This is the part of the Ministry of Industry involved in public policies and regulation for ICTs. You can find here the most relevant legislation in force in Spain, as well as descriptions on plans and projects on public policy from the Spanish central government.

www.minetur.gob.es/telecomunicaciones/es-ES/Paginas/index.aspx

- **Comisión del Mercado de las Telecomunicaciones (CMT):** CMT impose ex ante obligations for operators, solve disputes among them and monitor the telecommunication markets in Spain. In this website you can find market analysis, relevant legislation and information, as well as a very complete annual report on the situation of the Spanish market for telecommunications.

www.cmt.es

- **Generalitat de Catalunya (GenCat):** The government of Catalonia have also their own plans and public policy on Telecommunications and Information Society issues. In their website students can access to specific data for Catalonia, as well as studies and policy plans on ICTs.

www20.gencat.cat/portal/site/societat-informacio

Additionally, most of these organizations publish annual reports on the situation of telecommunication and information society markets, providing very useful information on penetration of services, competition, advances, etc for each subsector.

The more important ones that can be used by students to get data for its use on debates and assignments are the following ones:

- Informe anual de la CMT (2011): <http://informecmt.cmt.es/>
- Digital Agenda Scoreboard (European Commission): http://ec.europa.eu/information_society/policy/ecomms/library/communications_reports/index_en.htm

The following list of references can be used to learn about the issues addressed in the course:

[Atkinson, 11] "Economic doctrines and network policy" R.D. Atkinson. Telecommunications Policy, Vol. 35 Issue 5. June, 2011.

[Belloc et al, 2012] "Whither policy design for broadband penetration? Evidence from 30 OECD countries". F. Belloc, A. Nicita and M. Alessandra Rossi. Telecommunications Policy, Vol. 36 Issue 5. June, 2012.

[Ceccobelli et al, 2012] "ICT capital and labour productivity growth: A non-parametric analysis of 14 OECD countries". M. Ceccobelli, S. Gitto and P. Mancuso. Telecommunications Policy, Vol. 36 Issue 4. May, 2012.

[van Eijk & Poort, 2012] "Universal service and disabled people". N. van Eijk and J. Poort. Telecommunications Policy, Vol. 36 Issue 2. March, 2012.

[Greenstein & McDevitt, 11] "The broadband bonus: Estimating broadband Internet's economic value". S. Greenstein and R. C. McDevitt. Telecommunications Policy, Vol. 35 Issue 7. August, 2011.

[Hau et al, 11] "Multihoming, content delivery networks, and the market for Internet connectivity". T. Hau, D. Burghardt and W. Brenner. Telecommunications Policy, Vol. 35 Issue 6. July, 2011.

[Kim et al, 11] "Access regulation and infrastructure investment in the mobile telecommunications industry". J. Kim, Y. Kim, N. Gaston, R. Lestage, D. Flacher. Telecommunications Policy, Vol. 35 Issue 11. December, 2011.

[Mueller & Asghari, 2012] "Deep packet inspection and bandwidth management: Battles over BitTorrent in Canada and the United States". M. L. Mueller and H. Asghari. Telecommunications Policy, Vol. 36 Issue 2. March, 2012.

6.2. Sources of information for learning. Complementary bibliography

As a source for complementary bibliography, students should consult papers on the following two journals that are the most cited ones and addresses up-to-date issues on public policy and regulatory issues:

- Telecommunications Policy (The International Journal of ICT Economy, Governance and Society). Edited by Elsevier.
- Communications & Strategies (International Journal of digital economics). Edited by IDATE.

Both journals are available in the UPF library, both, in paper and in the "Recursos-E" web access (after student authentication).

Finally, students are recommended to access the following courses from the Massachusetts Institute of Technology (MIT) addressing issues related to the topics analysed in the subject:

- Course on Communications and Information Policy (Spring, 2006)

<http://ocw.mit.edu/courses/engineering-systems-division/esd-68j-communications-and-information-policy-spring-2006/index.htm>

- Course on fundamentals of public policy (Fall, 2004):

<http://ocw.mit.edu/courses/urban-studies-and-planning/11-002j-fundamentals-of-public-policy-fall-2004/index.htm>

- Introductory course on technology and policy:

<http://ocw.mit.edu/courses/engineering-systems-division/esd-10-introduction-to-technology-and-policy-fall-2006/index.htm>

6.3. Teaching resources. Subject teaching material, support materials and tools

Moodle will be used for communication between students and teaching staff, and through this:

- The teaching material produced by the teaching staff and complementary bibliography articles will be available, as well as models of the documentation to be submitted by the students. This includes:
 - Lecture notes and compulsory reading for each theoretical session
 - Guides for Seminars, Practices and other assignments.
- All deliverables from students will be submitted via Moodle tasks.

- The partial and final grades will also be published by teachers in Moodle.
- The relevant warnings and information for following the subject will be published also in Moodle.

7. Methodology

The methodological approach of the course focuses on designing a teaching-learning process based on three types of activities, divided into three clearly defined approaches:

Activity/Approach	Presence (in class)	Directed (out class)	Independent (out class)
Lectures	Traditional classroom for basic theoretical contents	Proposal of readings and research of material to complement lectures	Necessary to complete the learning process
Practices (Key Speakers)	Components focusing on specific learning goals	Previous preparation of the activities carried out during practices	Research of material and complementary information
Seminaries (Debates)	Making specific group activities in class under the supervision of the teacher	Preparation of activity before the seminar	Completion of deliverables with added value

Program Activities

1. Classroom activities

	BLOCK	Monday 8:30h – 10:30h	Tuesday 12:30h – 14:30h	Friday 8:30h – 10:30h	
		2h	2h	2h	
1 24-set	B1 Public Policies in ICT	NO CLASS	P101.1 (JB/JI) Introduction	T1.1 (JB) Public Administration	4
2 1-oct		T1.2 (JB) Public Policies	S101.1 (JB) Debate P2P	T1.3 (JB) Vectors of interest	6
3 8-oct		T1.4 (JB) Universal Service	S102.1 (JB) Debate P2P	NO CLASS	4
4 15-oct		T1.5 (JB) Promotion Public Policies	S103.1 (JB) Debate P2P	T1.8 (JI) ^(B2) Introduction to Regulatory Framework for ICTs	6
5 22-oct		T1.6 (JB) Sectorial Public Policies I	S104.1 (JB) Debate P2P	T1.7 (JB) Sectorial Public Policies II	6
6 29-oct		P101.2 (JB/JI) Key Speaker 1	NO CLASS	NO CLASS	2
7 5-nov	B2 Regulation Framework in ICT	P101.3 (JB/JI) Key Speaker 2	P101.4 (JB/JI) Key Speaker 3	T1.9 (JI) ECS Regulation in the EC	6
8 12-nov		S101.2 (JI) Debate Net Neutrality	NO CLASS	S102.2 (JI) Debate Net Neutrality	4
9 19-nov		S103.2 (JI) Debate Net Neutrality	NO CLASS	S104.2 (JI) Debate Net Neutrality	4
10 26-nov		NO CLASS	NO CLASS	NO CLASS	0
11 3-des		NO CLASS	P101.5 (JB/JI) Conclusion	NO CLASS	2
					44

Remark about facilities details:

Lecture Sessions (T1.1..9):

Practice Sessions (P101.1..5):

Seminar Sessions (S101..2.1 and S101..2.2):

theory class (50 students) with projector

theory class (50 students) with projector

theory class (25 students) with projector

2. Publications in Moodle

In general, teachers will deliver lecture notes, readings for theory classes and papers delivered by lectures one week in advance of the corresponding class. Documentations and instructions for debates will also be available one week in advance of the first seminar.

In the next table students can see the scheduled plan of publication of the material in Moodle.

WEEK	TYPE	WHO	ID	WHAT	DEADLINE
1	PRACTICE	TEACHERS	P101.1	Lecture Notes (Introduction)	25-sep
1	PRACTICE	TEACHERS	P	Guide for practices	25-sep
1	SEMINAR	TEACHERS	S	Guide for seminars	25-sep
1	SPECIAL REPORT	TEACHERS	SR	Guide for Special Report	25-sep
1	THEORY	TEACHERS	T1.1-1	Lecture Notes (Public Administration)	25-sep
1	THEORY	TEACHERS	T1.1-2	Paper for reading (Public Administration)	25-sep
1	THEORY	TEACHERS	T1.2 -1	Lecture Notes (Public Policies)	25-sep
1	THEORY	TEACHERS	T1.2 -2	Paper for reading (Public Policies)	25-sep
1	SEMINAR	TEACHERS	S1-1	Material for debate on P2P	25-sep
1	THEORY	TEACHERS	T1.3-1	Lecture Notes (Vectors of interest)	26-sep
1	THEORY	TEACHERS	T1.3-2	Paper for reading (Vectors of interest)	26-sep
2	THEORY	TEACHERS	T1.4-1	Lecture Notes (Universal Service)	01-oct
2	THEORY	TEACHERS	T1.4-2	Paper for reading (Universal Service)	01-oct
3	THEORY	TEACHERS	T1.5-1	Lecture Notes (Promotion Public Policies)	08-oct
3	THEORY	TEACHERS	T1.5-2	Paper for reading (Promotion Public Policies)	08-oct
3	THEORY	TEACHERS	T1.8-1	Lecture Notes (Introduction to Regulatory Framework for ICTs)	12-oct
3	THEORY	TEACHERS	T1.8-2	Paper for reading (Introduction to Regulatory Framework for ICTs)	12-oct
4	THEORY	TEACHERS	T1.6-1	Lecture Notes (Sectorial Public Policies I)	15-oct
4	THEORY	TEACHERS	T1.6-2	Paper for reading (Sectorial Public Policies I)	15-oct
4	THEORY	TEACHERS	T1.7-1	Lecture Notes (Sectorial Public Policies II)	19-oct
4	THEORY	TEACHERS	T1.7-2	Paper for reading (Sectorial Public Policies II)	19-oct
4	PRACTICE	TEACHERS	P101.2-1	Paper for reading (Keynote Speaker 1)	15-oct
4	PRACTICE	TEACHERS	P101.2-2	Information about Speaker 1	15-oct
5	PRACTICE	TEACHERS	P101.3-1	Paper for reading (Keynote Speaker 2)	22-oct
5	PRACTICE	TEACHERS	P101.3-2	Information about Speaker 2	22-oct
5	PRACTICE	TEACHERS	P101.4-1	Paper for reading (Keynote Speaker 3)	23-oct
5	PRACTICE	TEACHERS	P101.4-2	Information about Speaker 3	23-oct
6	THEORY	TEACHERS	T1.9-1	Lecture Notes (ECS Regulation in the EC)	02-nov

6	THEORY	TEACHERS	T1.9-2	Paper for reading (ECS Regulation in the EC)	02-nov
6	SEMINAR	TEACHERS	S2-1	Material for debate on Network Neutrality	29-oct
10	PRACTICE	TEACHERS	P101.5	Lecture Notes (Final Conclusions)	27-nov

3. Deliverables

In the following table students can find the deliverables to be sent using Moodle for each activity. In general, these rules apply:

- Position papers for debates must be ready 2 days before the debate will take place. Each students group playing a role must also bring with them a copy of their position paper to the debate to be delivered to the jury.
- The jury must deliver the sentence via Moodle no more than 3 days after the debate takes place.
- Questions for the lectures must be delivered no more than one week before the lecture takes place.
- Summary of lectures must be delivered 2 days after the lecture takes place.

WEEK	TYPE	ID	WHAT	DEADLINE
3	SEMINAR	S103.1-1	Position Paper for Debate on P2P (Groups for S103.1 Session)	14-oct
4	SEMINAR	S103.1-2	Sentence for Debate on P2P (Jury/ies for S103.1 Session)	19-oct
4	SEMINAR	S104.1-1	Position Paper for Debate on P2P (Groups for S104.1 Session)	21-oct
5	SEMINAR	S104.1-2	Sentence for Debate on P2P (Jury/ies for S104.1 Session)	26-oct
5	PRACTICE	P101.2-3	Questions (Keynote Speaker 1)	22-oct
6	PRACTICE	P101.2-4	Summary delivery (Keynote Speaker 1)	31-oct
6	PRACTICE	P101.3-3	Questions (Keynote Speaker 2)	29-oct
7	PRACTICE	P101.3-4	Summary delivery (Keynote Speaker 2)	07-nov
6	PRACTICE	P101.4-3	Questions (Keynot Speaker 3)	30-oct
7	PRACTICE	P101.4-4	Summary delivery (Keynote Speaker 3)	08-nov
8	SEMINAR	S103.2-1	Position Paper for Debate on NN (Groups for S103.2 Session)	17-nov
9	SEMINAR	S103.2-2	Sentence for Debate on NN (Jury/ies for S103.2 Session)	22-nov
9	SEMINAR	S104.2-1	Position Paper for Debate on NN (Groups for S104.2 Session)	21-nov
10	SEMINAR	S104.2-2	Sentence for Debate on NN (Jury/ies for S104.2 Session)	26-nov
11	SPECIAL REPORT	SR	Delivery of the special report	05-dic

4. Workload

The work to be done outside the classroom during the term amounts to 70 hours in total, corresponding to around 6,5 hours a week (this do not include class time). An average student is expected to work in the subject this time each week (some weeks may take longer, others, less) reading material, preparing debates and practices, as well as the final special reports. It may take longer for some students, and shorter for others, but this is a good reference for the workload expected for an average student. In the following table students can see the activities to be carried out in each week. The special report to be done is supposed to be produced along all the term.

WEEK	Activities
1	General: read teaching plan
	Theory: read paper on Public Administration
	Seminar: Prepare debate on P2P
	Theory: read paper on Public Policies
2	Seminar: Prepare/deliver position debate on P2P
	Theory: read paper on Vectors of Interest
3	Seminar: Prepare/deliver debate on P2P
	Theory: read paper on Promotion of Public Policies
4	Seminar: Prepare/deliver debate on P2P
	Theory: Read paper on introduction to regulatory framework for ICTs
	Theory: Read paper on Sectorial Public Policies I
5	Seminar: Read paper on Sectorial Public Policies II
	Practices: Prepare Questions & Answers Key Speaker 1
6	Practices: Prepare Questions & Answers Key Speaker 2
	Practices: Prepare Questions & Answers Key Speaker 3
7	Theory: Read paper on ECS Regulation in the EC
	Seminar: Prepare/deliver debate on NN
8	Seminar: Prepare/deliver debate on NN
9	Seminar: Prepare/deliver debate on NN
10	Prepare Special Report
11	Deliver Special Report