Ficha de unidade curricular

Curso de Mestrado Profissionalizante

Erasmus Mundus Master in Law

Unidade curricular

Public procurement in a globalized world – Mestrado Profissionalizante Erasmus Mundus Master in Law

Docente responsável e respetiva carga letiva na unidade curricular (preencher o nome completo)

Nuno Cunha Rodrigues – 2 horas semanais (one semester)

Outros docentes e respetivas cargas letivas na unidade curricular

(máximo 1000 caracteres)

Objetivos de aprendizagem (conhecimentos, aptidões e competências a desenvolver pelos estudantes)

The course aims to explain how public procurement works in a globalized world.

There are economics explanations for the liberalization of public procurement that were included in the Government Procurement Agreement (GPA) concluded under the World Trade Organization (WTO) system. Today 47 states are part of the GPA, namely USA, Canada and the European Union.

Through this course it will be explained how the WTO system works, namely the GPA and the influence of international law in public procurement.

It will be also explained how public procurement is taken care by European Law.

Conteúdos programáticos

I – Introduction to public procurement;
II - Economics of public procurement and public contracts;
III – Globalization, international trade and public procurement:
   3.1. Developed countries;
   3.2. Economic analysis;
   3.3. Secondary policies;
IV - The WTO and the GPA;
   4.1. Principles:
   4.1.1. Most favoured nation (MFN);
   4.1.2. National treatment rule;
   4.1.3. Exceptions
   4.2. State as a regulator, company (state trading) or consumer (public procurement) under the WTO legal framework;
   4.3. The Government Procurement Agreement (GPA):
      4.3.1. History of the GPA
      4.3.2. The legal framework of the GPA:
         4.3.2.1. Scope and coverage;
      4.3.3.2. Evaluation of contracts;
      4.3.3.3. Negative lists;
      4.3.3.4. Positive lists;
      4.3.4.5. Off-sets;
      4.3.4.6. The defense exceptions;
      4.3.4.7. Case law under GPA
   V – Public procurement in the European Union;
   5.1. Effect of GPA in European law;
   5.2. History of public procurement in European Law;
   5.3. Main principles of European law and public procurement;
   5.4. The legal framework of 2014;
   5.5. Secondary policies under European Law:
5.5.1. Environmental policies;
5.5.2. Social policies;
5.5.3. Criminal policies;
5.5.4. Other policies;
5.6. Case law;
VI– Other agreements:
   6.1. Economic institutions:
      6.1.1. World bank (tied-aid and tied-loan)
      6.1.2. IMF;
      6.1.3. Other institutions;
         6.2. The UNCITRAL public procurement model;
         6.3. Bilateral agreements;
         6.4. Regional agreements;
VII – The future of public procurement in a globalized world;
VIII- Public procurement in Portugal;

Demonstração da coerência dos conteúdos programáticos com os objetivos da unidade curricular
The course departures from the fundamentals of economics in order to explain how it has influenced international and European law. From this point it will explained how does the WTO system deals with public procurement and with the role of the state as a consumer and, from then, it will be explained the European system.

Metodologias de ensino (avaliação incluída)
Legal theory will be taught at the beginning, explained the issues described in the program. Later students will be called in order to analyze some of the most relevant judicial decisions concerning public procurement namely under international law (GPA) and European law (EUCJ).
Final evaluation will be based of the interest, cooperation and work done during the scholar semester. A final work and the approval at a final exam will be mandatory.

Demonstração da coerência das metodologias de ensino com os objetivos de aprendizagem da unidade curricular
The methodology of the course aims to allow students to get easily in contact with national public procurement law independently of their nationality. The knowledge of both international law and European law in nowadays necessary in order to understand any national legal system concerning public procurement.

Bibliografia principal
ANDERSON, Robert A. e MULLER, Anna Caroline, Market access for government procurement of services: comparing recent PTA`s with WTO agreements, in Martin Roy e Juan Marchetti (eds), Services Trade Liberalization: preferential trade agreements vs. the GATS, WTO and Cambridge University Press, 2008, capítulo 12, pp. 435-474.

ANDERSON, Robert D., China`s accession to the WTO agreement on government procurement: procedural considerations, potential benefits and challenges, and implications of the ongoing re-negotiation of the agreement, in PPLR, n.º 4, 2008, pp. 161-174

ANDERSON, Robert D., Current developments on public procurement in the WTO, in PPLR, n.º 15, 2006, NA 167-178

ANDERSON, Robert D., Renewing the WTO agreement on government procurement: progress to date and ongoing negotiations, in PPLR, n.º 4, 2006, pp. 255-273

ANNET, Blank e GABRIELLE, Marceau, The history of public procurement negotiations since 1945, in PPLR, n.º 5, 1996, pp. 77 – 159

ANTONIADIS, Antonis, WTO Law and the EU: a nexus of reactive, coactive and proactive approaches, paper,
Universidade de Bolonha, 2004


ARROWSMITH, Sue, *The law of public and utilities procurement*, Sweet & Maxwell, Londres, 2005


BOVIS, Christopher, EC Public Procurement: case law and regulation, Oxford, University Press, 2006

BOVIS, Christopher, Financing services of general interest, public procurement and state aids: the delineation between market forces and protection?, in European Law Journal, vol. 11, n.º 1, Janeiro de 2005, pp. 79-109

BOVIS, Christopher, Public Procurement in the European Union, Palgrave McMillan, 2005

BOVIS, Christopher, Public procurement, state aid and public services: between symbiotic correlation and asymmetric geometry, in European State Aid Law Quartely, 4/2003, pp. 553-569


BRAUN, Peter, A Matter of Principle(s) – the Treatment of Contracts Falling Outside the Scope of the European Public Procurement Directives, in PPLR, n.º 9, 2000, pp. 39-48

BRIGGS, Tim, The new defence procurement directive, in PPLR, n.º 4, 2009, NA129-NA135

BRONKERS, Marco, Privatized utilities under the WTO and EU Procurement rules, paper, Genebra, 1995


BRUNK, Dean E., Governmental Procurement: “FAR” from a Competitive Process, in Gustavo Piga e Khi V. Thai (eds), Advancing Public Procurement: Practices, Innovation And Knowledge sharing, Boca Raton, 2007, capítulo 8

CARREAU, Dominique e JUILLARD, Patrick, Droit Internacional Economique, Dalloz, Paris, 2007

CHARBIT, Nicolas, Le droit de la concurrence et le secteur public, L’Harmattan, Paris, 2002

CHEN, Xiangqun, Directing government procurement as an incentive to production, in Journal of Economic Integration, (1), Março 1995, pp. 130-140

CHIMIA, Annamaria La, International steps to unite aid: DAC/OECD recommendation on untying official development assistance to the least developed countries, Public Procurement Law Review, n.º 1, 2004, pp. 1-29


COTTIER, Thomas, PANNATIER, Serge e WAGNER, Manfred, Les accords du GATT/OMC et la construction, Droit de la Construction, n.º 2, 1995, pp. 27-32


DESTOURS, Stéphane, Un acheteur public peut être un sujet du droit des pratiques anticoncurrentielles, in Revue Lamy de la Concurrence, n.º 9, Outubro/Dezembro 2006, pp. 53-54

DETHLEFSEN, Peter, Public Services in EU – between state aid and public procurement rules, in PPLR, n.º 3, 2007
DINGEL, Dorthe Dahlgaard, Direct effect of the government procurement agreement, in PPLR, n.º 6, 1996, pp. 245- 254


DISCHENDORFER, Martin, The existence and development of multilateral rules on government procurement under the framework of the WTO, in PPLR, n.º 1, 2001, pp. 1-38


DURVIAUX, Ann Lawrence, Logique de marché et marché public en droit communautaire, Analyse critique d’un système, Larcier, Bruxelas, 2006


EILMANSBERGER, Thomas, How to Distinguish Good from Bad Competition under Article 82 EC: In Search of Clearer and More Coherent Standards for Anti-Competitive Abuses, in Common Market Law Review, n.º 42, 2005, pp. 132 e segs..


FALVEY, Rod, LA CHIMIA, Annamaria, MOrRISEy, Oliver e ZGOVU, Evious, Competition policy and public procurement in developing countries, paper, Universidade de Nottingham, n.º 08/07


FLAMME, Philippe et alli, Les marchés publics européens et belges – l’irrésistible européenisation du droit de la commande publique, Larcier, Bruxelas, 2005

FLATTERS, Frank R. e LIPSEy, Richard G., Common ground for the canadian common market, Institute for research on public policy, Montreal, 1983, pp. 47-49

FOOTER, Mary, Remedies under the new GATT Agreement on Government Procurement, in PPLR, n.º 2, 1995, pp. 80-93


GELBRICH, Astrid. Regulation of Government Procurement Within the WTO – Procurement Policies and Multilateral Trade Rules, VDM Verlag, Saarbrucken, 2008

GEORGOPOULOS, Aris. Industrial and market issues in european defence: the commission communication of 2003 on harmonisation and liberalisation of defence markets, in PPLR, n.º 4, 2003, NA82-89.


GEORGOPOULOS, Aris. The Comission’s interpretative communication on the application of article 296." EC in the field of defence procurement, in PPLR, n.º 16, 2007, NA43


GÉRADIN, Damien. La place du droit de la concurrence dans le futur ordre juridique communautaire, Concurrences, n.º 1 – 2008, pp. 2-29

GERARD, Damien. EU Competition policy after Lisbon: time to review the “state action doctrine”? , in Journal of European Competition Law & Pratice, n.º 3, Outubro de 2010, pp. 202-210


GRAELLS, Albert Sanchez. Competition law against public restraints in the public procurement field: importing competition considerations into the EU public procurement directives, paper apresentado na Universidade de Nottingham – em 19/20, de Abril de 2010


GUEZOU, Olivier. Droit Communautaire de la Concurrence et Achats: Certains Demandeurs Sont des Offreurs comme les Autres. Note sous FENIN, CP-ACCP, 59, de Setembro de 2003, pp. 59-63

GUEZOU, Olivier. Droit de la Concurrence et Contrats Publics. Contentieux Administratif et Pratiques Anticoncurrentielles, in Contrats Publics. Melanges en l’honneur du Professeur Michel Guibal, volume I, Université...
Montpellier, 2006, pp. 107-140

HAAGSMA, Auke, Gordian Knots in Relation to the GPA: myth or reality, Academia de Direito de Trier, vol. 24, 1997


HANLEY, Colleen, Avoiding the issue: the commission and human rights conditionality in public procurement, in European Law Review, volume 27, n.º 6, Dezembro de 2002, pp. 714-735

HARTLEY, Keith e SANDLER, Todd, The economics of defence spending, Routledge, Londres, 1990

HATZOPOULOS, Vassilis, Public procurement and state aid in National Healthcare Systems, Research papers in Law, cahiers juridiques, College of europe, Brugge, n.º 1, 2008

HEUNINCKX, Baudouin, Defence procurement: the most effective way to grant illegal state aid and get away with it...or is it?, in Common Market Law Review, n.º 46, 2009, pp. 191-210


HEUNINCKX, Baudouin, Towards a coherent european defence procurement regime? European defence agency and european commission initiatives, in PPLR, n.º 1, 2008, p. 4

HILLGER, Jens, The award of a public contract as State Aid within the meaning of article 87.º, n.º 1, in PPLR, n.º 3, 2003, pp. 109-130


HOLZL, Franz Josef, The exemption of contracts from tender procedures on the basis of state security: the case of OLG Dusseldorf, in PPLR, n.º 5, 2004, NA144-146

HUNJA, Robert R., Obstacles to Public Procurement Reform in Developing Countries, in Sue Arrowsmith and Martin Trybus (editors) Public Procurement: The Continuing Revolution, Kluwer Law International, 2003, pp. 21 e segs.

IDOT, Laurence, Commande publique et droit de la concurrence: un autre regard, Concurrences, n.º 1, 2008, pp. 52-63.


JEANRENAUD, Claude, Marchés publics et politique économique, in Annales de L´Économie Publique, Sociale et Coopérative, n.º 72, 1984

KARAYIGIT, Mustafa T., Under the triangle of competition, state aid and public procurement: public undertakings entrusted with the operation of services of general economic interest, in European Competition Law Review, 2009, pp. 542-563

KATTEL, Rainer e LEMBER, Veiko, Public procurement as an industrial policy tool: an option for developing countries?, in Journal of Public Procurement, volume 10, issue 3, pp. 368-404

KIM, Dong-Hun, Political institutions and the government procurement agreement of the WTO, in PPLR, n.º 1, 2009, pp. 1-17

KIRKWOOD, John B., Buyer power and exclusionary conduct: Should Brooke Group set the standards for buyer-induced price discrimination and predatory bidding?, in

KOVACIC, William E., MARSHALL, Robert C., MARX, Leslie M. e RAIFF, Matthew E., Bidding rings and the design of anti-collusive measures for auctions and procurements, in Nicola Dimmitri, Gustavo Piga e Giancarlo Spagnolo (eds.),

KOVACIC, William E., The civil false claims act as a deterrent to participation in Public Procurement Markets, in Supreme Court Economic Law review, volume 6, 1998, pp. 201-239

KOVAR, Robert, Les achats publics et l’interdiction des aides d’État, in Contrats et Marchés Publics, n.º 9, Agosto 2004, pp. 5-9

KREISBERGER, Ronit, FENIN: immunity from competition law attack for public buyers, in PPLR, 6, 2006, NA214-NA216

KRUGMAN, Paul e OBSTFELD, Maurice, International economics: theory and practice, Reading, 2000, 5.ª edição


KUIJPER, Pieter Jan, The conclusion and implementation of the Uruguay Round by the European Community, in European Journal of International Law, 1995, n.º 6, pp. 222-224


KUNZLIK, Peter, “Green procurement” under the new regime, in Ruth Nielsen e Steen Treumer (org.), The new EU Public Procurement Directives, DJOF, Copenhaga, 2005, pp. 117-148

KUNZLIK, Peter, Environmental issues in international procurement, in Sue Arrowsmith e A. Davies (eds.), Public Procurement: global revolution, Londres, Kluwer Law International, 1999


LAMBERT-MOGILLANSKY, Ariane e SONIN, Konstantin, Colusive market-sharing and corruption in procurement, working paper n.º 25, 2005, Paris-Jourdan Sciences Economiques

LANDE, Robert H., Beware buyer power, in Legal Times, Vol. 27, n.º 28, 12 de Julho de 2004


LEFFLER, H., Damages liability for breach of EC procurement law: governing principles and practical solutions, in PPLR, n.º 12, 2003, p. 151 e segs

LENAERTS, Koen e NUFFEL, Piet Van, Constitutional Law of The European Union, Sweet & Maxwell, Londres, 2.ª edição, 2005

LICHÈRE, François, Règles de concurrence et marchés publics, in La semaine Juridique Administrations et Collectivites Territoriales, n.º 44, 29 Octobre 2007, n.º 2284

LINDITCH, Florian, Concurrence et marchés publics: les bonnes feuilles du rapport du conseil de la concurrence, in La semaine juridique administrations et collectivites territoriales, n.º 5, 30 Janvier 2006, p. 1024

LINDITCH, Florian, Le droit des marchés publics, Dalloz, Paris, 2000
LOEWENTHAL, Paul-John, The Defence of “Objective Justification” in the Application of Article 82 EC, in World Competition, n.º 28, Dezembro 2005, pp. 455-477


LOW, Patrick, MATTOO, Aaditya e SUBRAMANIAN, Arvind, Government procurement in services, in World Competition, vol. 20, n.º 1, Setembro de 1996, pp. 10 e segs

LUFF, David, Le droit de l’organisation mondiale du commerce – analyse critique, Bruylant, Bruxelas, 2004


MARAIL, Bertrand Du, Le droit de la commande publique est-il un droit de la concurrence, in Gazette du Palais, ano 127, n.º 84-86, 2007, pp. 1-5


MARSHALL, Robert C., RAIFF, Matthew E., RICHARD, Jean-Francois e SCHULENBERG, Steven P., The Impact of Delivery Synergies on Bidding in the Georgia School Milk Market, in Topics in Economic Analysis & Policy, Volume 6, Issue 1, 2006, article 5


MATTOO, Aaditya, The government procurement agreement: implications of economic theory, staff working paper TISD-96-03, Outubro de 1996, also in SIMON J. EVENETT e BERNARD HOEKMAN, The WTO and Government procurement, Edward Elgar, USA, pp. 276-301


MCAFEE, R. Preston e MCMILLAN, John, Bidding for contracts, a principal agent analysis, in Rand Journal of


MUNRO, Catriona, *Competition law and public procurement: two sides of the same coin*, in PPLR, 2006, n.º 6, pp. 352-361


NEERGAARD, Ulla B., *Competition & competences: the tensions between european competition law and anti-competitive measures by the member states*, DJOF, Copenhaga, 1998

NEERGAARD, Ulla B., *Public Service Concessions and Related Concepts—The Increased Pressure from Community Law on Member States’ Use of Concessions*, in PPLR, n.º 6, 2007, pp. 387–409

NEERGAARD, Ulla B., *State Action and European Competition Rules: a new path?*, in Maastricht Journal of European and...
NEERGAARD, Ulla B., The Concept of Concession in EU Public Procurement Law versus EU Competition Law and National Law, in Ruth Nielsen e Steen Treumer (org.), The new EU Public Procurement Directives, Djof, Copenhaga, 2005, pp. 149-182

NEUWAHL, Nanette, Le droit des particuliers d’invoquer les accords internationaux de la communauté européenne devant les cours nationales, in Revue québécoise de droit international, 2002, n.° 15.2, pp. 39-55

NICHOLAS, Caroline, The UNCITRAL model law on procurement – the current reform programme, in PPLR, n.° 6, 2006, NA161-166

NICINSKI, Sophie, Droit public de la concurrence, LGDJ, Paris, 2005


NIELSEN, Henrik Karl, Public procurement and international labour standards, in PPLR, n.° 2, 1995, pp. 94-101


OCDE, Competition in bidding markets, paper, 2006

OCDE, Hard Core Cartels - Recent progress and challenges ahead, 2003


ODUDU, Okeoghene, The boundaries of EC competition law: the scope of article 81, Oxford University Press, 2006

OFT, Assessing the impact of Public Sector Procurement on Competition, Setembro de 2004


PFISTER, Etienne, Puissance d’achat et politique de concurrence, in Concurrences, n.° 1-2009, pp. 34-41

PICZAK, C. Todd, The Helms-Burton Act: U.S. Foreign Policy Toward Cuba, the National Security Exception to the GATT, and the Political Question Doctrine, in University of Pittsburgh Law Review, n.° 61, 1999, pp. 287 e segs.


PRIESS, Hans-Joachim e HOLZL, Franz Josef. Trust is good – control even better: german higher administrative court reviews military procurement decision, in PPLR, n." 5, 2005, NA128-135


PROSSER, Tony. The Limits Of Competition Law: markets and public services, Oxford University Press, 2005

RAPP, Lucien. Les progrés de l’analyse économique des contrats publics. Le risque d’exploitation dans les délégations de service public”, BJCP, Março de 2000

RAVOIRE, Jean. La détection de pratiques anticoncurrentielles, in Contrats Publics, n." 99, Maio 2010, pp. 45-47


REICHELSTEIN, Stefan. Constructing incentive schemes for government contracts: an application of agency theory, paper, 1992

REICHELSTEIN, Stefan, Incentives in government contract, paper, 1982


ROSCH, J. Thomas, Monopsony and the meaning of “consumer welfare” – a closer look at Weyerhaeuser, paper, 2006

ROSE-ACKERMAN, Susan. The economic analysis of public law, in European Journal of Law and Economics, vol. 1, n." 1, Março de 1994, pp. 53-70


SANTONI, Michele. Discriminatory procurement policy with cash limits can lower imports: an example. Departmental
SCHEDA, Christian. The “Trondheim provision” in the WTO agreement on government procurement: does this “major revision” live up to the needs of the private sector?, in PPLR, n.º 5, 1996, pp. 161-185


SCHNITZER, Johannes Siegfried. The external sphere of public procurement: bi-regional trade relations from the perspective of the European Community, in PPLR, n.º 2, 2005, pp. 63-90


SIERRA, Jose Luis Buendia, Exclusive rights and state monopolies under EC law, Oxford University Press, 1999


SKILBECK, Jennifer. Just when is a public body an “undertaking”? FENIN and BetterCare Compared, in PPLR, n.º 12, 2003, NA75

SKILBECK, Jennifer. The circumstances in which a public body may be regarded as a “undertaking” and thus subject to the competition act 1998 solely because of its function as a purchaser of particular goods or services: BetterCare Group Limited v. The Director General of Fair Trading, in PPLR, n.º 12, 2003, NA 71


SOUTY, François. La State Action Doctrine aux USA: contribution sur le contrôle des pratiques anticoncurrentielles d’origine publique, in Concurrences, n.º 4, 2006, pp. 56-62


STEMPKOWSKI, Martin e DISCHENDORFER, Martin, Case comment: the interplay between the EC rules on public procurement and state aid, in PPLR, n.º 11, 2002, NA47


THIELE, Dominic, The legal status of the WTO in community law, paper, Julho 2002

TIMMERMANS, Christian W. A., The implementation of the Uruguay Round by the E.C., in BOURGEOIS, BERROD e FOURNIER (org.), The Uruguay Round Results, 1995, pp. 501 e segs.


TREUMER, Steen, The distinction between selection and award criteria in EC public procurement law – a rule without exception?, in PPLR, n.º 3, 2009, pp. 103-111

TRIANTAFYLLOU, Dimitris, Les Règles de Concurrence et l’Activité Étatique y Compris les Marchés Publics, in Revue


TRIONFETTI, Federico, Public expenditure and economic geography, Annales d’Economie et de statistique, 47, 1997


TRYBUS, Martin, The limits of European competence for defence”, in European Foreign Affairs Review, 9, 2004, pp. 189-217

TRYBUS, Martin, The list of hard defence products under article 296.º EC, in PPLR, n.º 2, 2003, NA21


TRYBUS, Martin, The recent judgement in Comission vs. Spain and the procurement of hard defence, in PPLR, n.º 4, 2000, NA100


ULLOA, Alfie A., El mercado público y los acuerdos comerciales, un análisis económico, Nações Unidas, CEPAL, Chile, 2006


WAELBROECK, Michel, La place de la concorrence dans le traité de Lisbonne, in AAVV., Melanges en hommage à Georges Vandersanden, Bruylant, Bruxelas, 2008, pp. 829-841


WANG, Ping, Note on Chinese Taipeï’s GPA accession, in PPLR, n.º 3, 2009, NA121-122


WEICHENRIEDER, Alfonso J., Public Procurement in the presence of capital taxation, paper, Working paper n.º 257, Março de 2000

WEISS, Friedl e KALOGERAS, Dimitrios, The principle of non-discrimination in procurement for development
assistance, in PPLR, n.º 1, 2005, pp. 1-14

WEISS, Friedl, Public Procurement in European Community Law, The Athlone Press, Londres, 1993


WEISS, Linda, Global governance, national strategies: how industrialized states make room to move under the WTO, in Review of International Political Economy, n.º 12, Dezembro 2005, pp. 723-749

WELTZIEN, Kurt, Avoiding the procurement rules by awarding contracts to an in-house entity – scope of the procurement directives in the classical sector, in PPLR, n.º 5, 2005, pp. 237-255


WHISH, Richard, Competition law, Lexisnexis Butterworths, 5.ª edição, 2003

WHISH, Richard, Control of cartels and other anti-competitive agreements, in Vinod Dhall (org.), Competition Law Today: concepts, issues and the law in practice, Oxford University Press, 2007, capítulo 1

WILLIAMS, Sope e EYO, Ama, Fighting corruption in public procurement through the OECD: a review of recent initiatives, in PPLR, n.º 3, 2009, NA103-113


WILLIAMSON, Oliver E., Franchise bidding for natural monopolies in general and with respect to CATV, in The Bell Journal of Economics, vol. 7, n.º 1 (Spring 1976), p. 80


NOTA: este mapa é preenchido tantas vezes quantas as necessárias para descrever as diferentes unidades curriculares.

**Curricular unit sheet**

Course ________________

<table>
<thead>
<tr>
<th>Curricular unit</th>
<th>(maximum 1000 characters)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Responsible Academic staff and respective workload in the curricular unit (enter full name)</td>
<td>(maximum 100 characters)</td>
</tr>
<tr>
<td>Other academic staff and respective workloads in the curricular unit</td>
<td>(maximum 1000 characters)</td>
</tr>
<tr>
<td>Learning outcomes of the curricular unit</td>
<td>(maximum 1000 characters)</td>
</tr>
<tr>
<td>Syllabus</td>
<td>(maximum 1000 characters) Insolvency Law</td>
</tr>
<tr>
<td>Demonstration of the syllabus coherence with the curricular unit's objectives.</td>
<td>(maximum 1000 characters)</td>
</tr>
<tr>
<td>Teaching methodologies (including evaluation)</td>
<td>(maximum 1000 characters)</td>
</tr>
<tr>
<td>Demonstration of the coherence between the teaching methodologies and the learning outcomes</td>
<td>(maximum 3000 characters)</td>
</tr>
<tr>
<td>Main Bibliography</td>
<td>(maximum 1000 characters)</td>
</tr>
</tbody>
</table>

NOTE: this map can be filled in as many times as necessary to describe the different curricular units.