

370712 - CONTROL - Myopia Control and Orthokeratology

Coordinating unit: 370 - FOOT - Terrassa School of Optics and Optometry
Teaching unit: 731 - OO - Department of Optics and Optometry
Academic year: 2018
Degree: MASTER'S DEGREE IN OPTOMETRY AND VISION SCIENCES (Syllabus 2012). (Teaching unit Optional)
ECTS credits: 3 Teaching languages: Spanish

Teaching staff

Coordinator: Gispets Parcerisas, Joan (<http://futur.upc.edu/JoanGispetsParcerisas>)
Pacheco Cutillas, Mireia (<http://futur.upc.edu/MireiaPachecoCutillas>)

Prior skills

All students are Graduates in Optometry and, therefore, they have the knowledge of refractive error in general and myopia, in particular, and in contact lenses fitting attained during the degree courses.

Degree competences to which the subject contributes

Transversal:

1. ENTREPRENEURSHIP AND INNOVATION: Being aware of and understanding how companies are organised and the principles that govern their activity, and being able to understand employment regulations and the relationships between planning, industrial and commercial strategies, quality and profit.
2. SUSTAINABILITY AND SOCIAL COMMITMENT: Being aware of and understanding the complexity of the economic and social phenomena typical of a welfare society, and being able to relate social welfare to globalisation and sustainability and to use technique, technology, economics and sustainability in a balanced and compatible manner.
4. TEAMWORK: Being able to work in an interdisciplinary team, whether as a member or as a leader, with the aim of contributing to projects pragmatically and responsibly and making commitments in view of the resources that are available.
3. FOREIGN LANGUAGE: Achieving a level of spoken and written proficiency in a foreign language, preferably English, that meets the needs of the profession and the labour market.
5. EFFECTIVE USE OF INFORMATION RESOURCES: Managing the acquisition, structuring, analysis and display of data and information in the chosen area of specialisation and critically assessing the results obtained.

Teaching methodology

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Learning objectives of the subject

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Study load

Total learning time: 75h	Hours large group:	0h	0.00%
	Hours medium group:	8h 06m	10.80%
	Hours small group:	15h 54m	21.20%
	Guided activities:	0h	0.00%
	Self study:	51h	68.00%

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Content

title english	Learning time: 0h 20m Practical classes: 0h 20m
Description: content english	
title english	Learning time: 0h 30m Practical classes: 0h 30m
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Description: content english	
title english	Learning time: 1h Practical classes: 1h
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title english	Learning time: 1h Practical classes: 1h
Description: content english	
title english	Learning time: 2h Theory classes: 1h Practical classes: 1h
Description: content english	

Qualification system

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Bibliography

Basic:

Gwiazda, J. "Treatment options for myopia". *Optometry and vision science* [on line]. 2009, vol.86, núm.6, p. 624-628 [Consultation: 01/12/2016]. Available on: <<http://journals.lww.com/optvissci/pages/default.aspx>>.

Cooper, J.; Schulman, E.; Jamal, N. "Current status on the development and treatment of myopia". *Optometry* [on line]. 2012, vol.83, núm.5, p.179-99 [Consultation: 01/12/2016]. Available on: <<http://www.sciencedirect.com/science/journal/15291839>>.

Walline, J.J. [et al.]. "Interventions to slow progression of myopia in children". *Cochrane database of systematic reviews*. 2011 (12).

Berntsen, D.A. [et al.]. "A randomized trial using progressive addition lenses to evaluate theories of myopia progression in children with a high lag of accommodation". *Investigative ophthalmology & visual science* [on line]. 2012, vol.53, núm.2, p.640-9 [Consultation: 01/12/2016]. Available on: <<http://iovs.arvojournals.org/issues.aspx>>.

Villa, C.; González-Méijome, J.M. *Ortoqueratología nocturna*. Madrid: Colegio Nacional de Ópticos-Optometristas, cop. 2007. ISBN 9788493480660.

Mountford, J.; Ruston, D.; Dave, T. *Orthokeratology: principles and practice* [on line]. Edinburgh (etc.): Butterworth Heinemann, cop. 2004 [Consultation: 01/12/2016]. Available on: <<http://www.sciencedirect.com/science/book/9780750640077>>. ISBN 0750640073.