

**COURSE CARD: E3S - SP - UPNA - 1**

University: Public University of Navarre (Universidad Pública de Navarra, UPNA)

Course: Sensory Analysis of Agri-Food products

Course code: -

Credits: 3 ECTS

Language: Spanish (reading skills of English needed).

Instructors: María Remedios Marín-Arroyo, Professor (Titular de Universidad)  
Íñigo Arozarena Martincorena, Professor (Titular de Universidad)  
Montserrat Navarro Huidobro, Professor (Titular de Universidad)

When: 1st semester period, optional course for students

Precise program to be found at: <http://www1.unavarra.es/ficha-asignaturaDOA?languageId=100000&codPlan=225&codAsig=71728>

Content: Course with lectures (15h) and practical classes (15h).

Textbooks:

- AENOR. Análisis sensorial. Manual de normas UNE. 2ª edición. Madrid: AENOR ediciones, 2010. 456 p. ISBN: 978-84-8143-705-8.
- COCHRAN, W.G.; COX, G.M. Diseños experimentales. Ed. Trillas, 1990.
- FORTIN, J.; DESPLANCKE, C. Guía de selección y entrenamiento de un panel de catadores. Ed. Acribia, 2001. ISBN: 84-200-0930-X.
- LAWLESS H.T.; HEYMAM H. Sensory Evaluation of Food. Principles and Practices. 2nd edition. New York: Chapman, 2010.
- MEILGAARD, M. ; CIVILLE, G.; CARR, T. Sensory Evaluation Techniques. 4th ed. CRC Press, 2007. ISBN: 978-0-8493-3839-7.
- NAES, T.; BROCKHOFF, P.B.; TOMIC, O. Statistics for Sensory and Consumer Science. Wiley – Blackwell, 2011.
- NAES, T.; RISVIK E. (Eds.). Multivariate analysis of data in sensory science. Amsterdam, Netherlands: Elsevier Science, 1996.
- SSHA. Evaluation sensorielle. Manuel methodologique. Ed. TEC-DOC, 2003. ISBN: 2-7430-0652-8.
- STONE, H.; SIDEL, J.L. Sensory Evaluation Practices. Academic Press, Inc., 2004. ISBN: 0-12-672690-6.

Requirements: No requirements.

For whom: Students of the Master's Degree in Technology and Quality Agro-Food Industries  
<http://www1.unavarra.es/estudios/posgrado/oferta-de-posgrado-oficial/titulos-oficiales-de-master/titulos-oficiales-de-master/escuela-tecnica-superior-de-ingenieros-agronomos/master-universitario-en-tecnologia-y-calidad-en-las-industrias-agroalimentarias>

Student (n): 20

Source of info: María Remedios Marín-Arroyo, [remedios.marin@unavarra.es](mailto:remedios.marin@unavarra.es)

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