



COURSE CARD: E3S - SP - UPNA - 1

- University: Public University of Navarre (Universidad Pública de Navarra, UPNA), Spain
- 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.
- Content: Course with lectures (15h) and practical applications (15h).
- Assessment: Class attendance and active participation in class (30%), case analysis, data analysis (20%), co-operative group work (20%), individual students' article review and presentation of a published paper (30%).
- Textbooks: General:
- 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.

E3S – European Sensory Science Society
via della Cernaia 21, 50129, Florence (Italy)

www.e3sensory.eu



- 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.

For whom: Students of the Master's Degree in [Technology and Quality Agro-Food Industries](#)

Student (n): 20

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