

ERM253 Regional Innovation Systems and Management of Change.

- Semester: Second
- Type: Elective
- Instructor: Ilias Karayannis, Evangelia Siahou
- ECTS Credits: 6

The course examines the rationale, design, implementation, and impact of Regional Innovation Ecosystems (RIEs) within the EU, the USA, and Asia. A range of critical issues related to the design, architecture, and operation of RIEs is addressed, including funding sources, options and uses, the combination of policies and practices, and the institutional and regulatory frameworks that influence the design, operation, effectiveness, and impact of RIEs. The course investigates how RIEs can serve as catalysts for social, economic, political, and technological transformation to tackle a series of significant challenges.

Assessment

The evaluation of students is based on an individual assignment (maximum grade: 10 points, weight 50% in the calculation of the course grade) and final written examinations (maximum grade: 10 points, weight 50% in the calculation of the course grade). Participation in the final written examinations is mandatory.

Explicitly defined assessment criteria are accessible to students in the regulations of the Joint Postgraduate Program (Article 15).

Indicative Bibliography

- Carayannis et al, Innovation and Entrepreneurship, <https://link.springer.com/book/10.1007/978-3-319-11242-8>
- Carayannis Elias et al, Idea Makers and Idea Brokers: Intellectual Venture Capitalists in High Tech Entrepreneurship, Praeger Books, January 2003, ISBN- 13: 978-1567204568, <https://www.amazon.com/Idea-Makers-Brokers-High-Technology-Entrepreneurship/dp/15672045620>
- Carayannis Elias et al, The Story of Managing Projects: An Interdisciplinary Approach, Praeger Books, January 2005, ISBN: 1-56720-506-2, <https://www.amazon.com/Story-Managing-Projects-Interdisciplinary-Approach/dp/15672050620>
- Carayannis Elias & Evangelos Grigoroudis, 2023. "Towards an Ambidextrous, Robust and Resilient Impact Assessment of Sustainable Smarter Specialisation Strategies (AR2IA/S4)," Journal of the Knowledge Economy, Springer; Portland International Center for Management of Engineering and Technology (PICMET), vol. 14(3), pages 2420-2462, September.
- Carayannis Elias, SKARSE in Action, Journal of the Knowledge Economy, 2014, vol. 5, issue 2, 203-211.
- Oswald, Gerhard, Kleinemeier, Michael (Eds.) Shaping the Digital Enterprise: Trends and Use Cases in Digital Innovation and Transformation, Springer, (2017) ISBN 978-3-319-40967-2.

- Day, G. S., Schoemaker, P. J.H., with Gunther, R. E. (2000). Wharton on Managing Emerging Technologies. Hoboken, N. J.: John Wiley and Sons.
- Shapiro, C. and Varian, H. R. (1999). Information Rules: A Strategic Guide to the Network Economy. Boston, MA: Harvard Business Review Press.
- D. Deakins, M. Freel, «Επιχειρηματικότητα», Εκδόσεις Κριτική, 2007.
- J. Bessant, & J. Tidd, “Innovation and Entrepreneurship”, 2nd Edition, John Wiley & Sons Ltd., 2011.
- Frederic Darbellay, Zoe Moody, Todd Lubart (eds.) -Creativity, Design Thinking and Interdisciplinarity-Springer Singapore (2017).0
- Thomas Frisendal (auth.) - Design Thinking Business Analysis Business Concept Mapping Applied-Springer-Verlag Berlin Heidelberg (2012).
- Christoph Meinel, Larry Leifer (auth.), Hass Plattner, Christoph Meinel, Larry Leifer (eds.) - Design Thinking Research_ Measuring Performance in Context-Springer-Verlag Berlin (2016). 13
- Hasso Plattner, Christoph Meinel, Larry Leifer (eds.) - Design Thinking Research_Taking Breakthrough Innovation HomeSpringer International Publishing (2016).13
- Andrew Pressman - Design Thinking_ A Guide to Creative Problem Solving for Everyone- Routledge(2018)

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- o Research Policy,
- o European Journal of Operations Research,
- o Technovation,
- o Operations Research,
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- o Expert Systems and Applications,
- o IEEE Transactions in Engineering Management,
- o Annals of Operations Research,
- o Journal of R&D Management,
- o Technological Forecasting and Social Change,
- o Journal of Engineering and Technology Management,