Module Syllabus

PHD102 Research in Entrepreneurship and Innovation Management (Online)

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Term, year:	Fall 2024
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1. Module Description

This module offers a unique perspective on entrepreneurship and innovation management owing to the latest research agenda in areas such as creativity, high-tech entrepreneurship,

emerging technologies, and sociocultural issues. The module will help students understand how the innovation process works, how companies organize to take advantage of internal and external sources of innovation, and the challenges of innovation management. Students will gain understanding of recent technologies, the new business models they enable, and the challenges and opportunities they create. Upon completion of the module, students will demonstrate mastery in navigating entrepreneurship and innovation management research agenda and will be able to conduct their own research on an innovation management and entrepreneurship topic of their choice.

NOTE: The content of this module is regulated by the Malta Further and Higher Education Authority (MFHEA).

2. Module Learning Outcomes

Competencies - at the end of the module/unit the learner will have acquired the responsibility and autonomy to:

a) C.1: Develop new research projects within entrepreneurship and innovation management;

b) C.2: Demonstrate expertise in selecting a proper research problem in the context of modern trends in entrepreneurship and innovation management research;

c) C.3: Discuss the research gaps presented in the entrepreneurship and innovation management research agenda;

d) C.4: Value ethical considerations in professional social sciences research related with the management of new digital technologies.

Skills - at the end of the module/unit the learner will have acquired the following skills:

a) S.1: Demonstrate mastery in navigating entrepreneurship and innovation management research agenda;

b) S.2: Professionally analyze research on entrepreneurship and innovation management and propose ideas for meaningful further research in this area;

c) S.3: Apply the most advanced and specialized skills and techniques, including synthesis and evaluation, to identify research gaps and to solve critical problems in research of entrepreneurship and innovation management issues;

d) S.4: Identify technological, social and cultural issues and address the needs of a knowledge-based society by being able to specialize and research a particular issue within entrepreneurship and innovation management.

Knowledge – at the end of the module/unit the learner will have been exposed to the following:

a) K.1: Synthesize existing knowledge about the modern knowledge economy, and "learning organization" as an organization skilled at creating, acquiring, and transferring knowledge, and at modifying its behaviour to reflect new knowledge; Examine the shift from knowledge workers to learning workers; Provide an understanding of the role of knowledge management in innovation processes;

b) K.2: Explain the concept of entrepreneurship, its importance for the modern knowledge economy, and present entrepreneurship versus established businesses and as a way for creating employment and wealth;

c) K.3: Extend existing knowledge about the relationship between innovation and creativity, by reviewing approaches to creative problem solving and brainstorming by understanding Osborn-Parnes Creative Problem-Solving Process and the 2011 CPS Learner's Model;

d) K.4: Elaborate on design thinking as an ultimate strategy for innovation and the five-stage Design Thinking model proposed by the Hasso-Plattner Institute of Design at Stanford (empathize, define, ideate, prototype, test);

e) K.5: Redefine existing understanding of the concept of digital innovation in the form of digital transformation and widespread digitalization and exemplify entrepreneurial opportunities related to the application of digital technology to existing business problems;

f) K.6: Discuss Drucker's 7 sources of innovation as a model/theory approach; Review the history of open innovation and its mechanics in comparison to traditional "closed" innovation;

g) K.7: Build upon existing knowledge about value creation to exemplify capture approaches for innovative/tech/digital businesses, intellectual properties and related strategies, such as R&D strategy, R&D team and incentive design, R&D portfolio management;

h) K.8: Contrast different disruptive technologies, their uses, applications and critically reflect on their potential (the Augmented and Virtual Reality (AR/VR), Internet of Things, Cybersecurity, Artificial Intelligence & Robotics, Data Analytics, Design Innovations for Manufacturing, Artificial Intelligence, Digital Fabrication, Blockchain, Industry 4.0);

i) K.9: Explore the sociocultural issues related to digital innovative products and services and the impact they caused in the world;

j) K.10: Critically examine ethical issues in entrepreneurship and management of innovation.

3. Module Topics and Content

Week	Topics and Content	Engagement Activities	Assessment	Readings
Week 1	**Session 1** **Course Introduction:** -Entrepreneurship as a life skill			Heidi M. Neck, Christopher P. Neck, & Emma L. Murray (2021). *Entrepreneurship, The Practice and Mindset* (Second Edition), pg. 88-166

	Session 2 **The Entrepreneurial Mindset and Habits:** Design Thinking model	**Discussion/Individual Work:** -Identify a successful entrepreneur. -Do you believe luck played a role in their success? Why or why not? - Individual work. - 250-300 words. - To be uploaded individually on the discussion board on the VLE.		Heidi M. Neck, Christopher P. Neck, & Emma L. Murray (2021). *Entrepreneurship, The Practice and Mindset* (Second Edition), pg. 166-217 *An Introduction to Design Thinking Process Guide*
Week 2	**Session 3** **Globalization and Innovation:** -Drucker's 7 sources of innovation		**Formative Assessment 1:** **Systematic Literature Review Analysis (15%)** -Read and summarize the following research paper: "Digital entrepreneurship: An interdisciplinary structured literature review and research agenda." -Make sure to have proper scientific reflection after the summary. -Individual work. -Format: Word document. -Word count: 600-750 words. -Way of submission: Individually on VLE.	John Bessant, John R. Bessant, Joe Tidd, *Innovation and Entrepreneurship,* Wiley (2015), pg. 67-97 *Sources of Innovation,* Jenny Darroch and Morgan Miles
	Session 4 **Sustainable Innovation and Entrepreneurship:** -Open innovation vs. "closed" innovation	**Research Project/Group Work:** **Interview an Entrepreneur** -Reach out and introduce yourself to an entrepreneur—any kind of entrepreneur will do. -Request a brief 20-minute conversation and begin with simple yet open-ended questions: *-Can you share your journey into entrepreneurship?* *-What were your biggest concerns when launching your business?* *-What aspects were the most thrilling for you as you embarked on this new venture?*		John Bessant, John R. Bessant, Joe Tidd, *Innovation and Entrepreneurship,* Wiley (2015), pg. 99–118. *Closed vs. Open Innovation,* The Palgrave Encyclopedia of Strategic Management

		-*Would you describe your startup as innovative? If so, how?* -*What key resources did you utilize to get started, and where did you acquire them?* -*What are some standout moments from your journey, and who played a pivotal role in helping you succeed?* -*How do you present yourself to others in your professional network?* -*What advice would you offer me as someone studying entrepreneurship?* (You may create your own questions as well). -Afterward, write a 300-400 words reflection on your experience. -Group size: 2-3. -300–400 words. -To be uploaded individually on the VLE.		
Live Session 1	*Q&A Session via MS Teams (Link will be shared)*			
Week 3	**Session 5** **Entrepreneurial Creativity:** -Osborn-Parnes Creative Problem-Solving Process	**Debate and Discussion/Group Work:** -Read the following short paper: "No innovation without entrepreneurship: From passion to practice." -Do you believe the paper's theme is linked to the story of the entrepreneur you interviewed previously? Explain. (As you are working in pairs discuss both interviewed cases). -Group size: Pairs. -350–400 words. -To be uploaded individually on the discussion board on the VLE.		John Bessant, John R. Bessant, Joe Tidd, *Innovation and Entrepreneurship,* Wiley (2015), pg. 121–159 Treffinger, Donald & Isaksen, Scott & Stead-Dorval, K. Brian. (2003). *Creative Problem Solving* (CPS Version 6.1™) A Contemporary Framework for Managing Change.
	Session 6 **Innovation Sources and Search Strategies:** -The 2011 CPS Learner's Model		**Formative Assessment 2:** **Systematic Literature Review Analysis (20%)** -Read and summarize the following research paper: "Innovation and the circular economy: A systematic literature review." -Make sure to have proper scientific reflection after the summary. -Individual work.	John Bessant, John R. Bessant, Joe Tidd, I*nnovation and Entrepreneurship,* Wiley (2015), pg. 163–228 Buijs, Jan & Meer, Han. (2009). *Towards a More Realistic Creative Problem Solving Approach.* Creativity and Innovation Management. 18.

			-Format: Word document. -Word count: 600–750. -Way of submission: Individually on VLE.	10.1111/j.1467-8691.2009.00541.x.
Week 4	*Session 7* *Formulating and Preparing the Business Case*	*Discussion/Individual Work:* **Maliha Khalid, founder and CEO, Doctory Case Study** -In your own words, how would you explain Maliha's entrepreneurial journey? -In what ways does Maliha Khalid's approach to life exemplify the entrepreneurial mindset advocated in this chapter? Does her approach differ in any way? -Can you think of limitations you are placing on yourself that may be restricting your ability to achieve your goals? Name some specific examples. -How can you apply an entrepreneurial mindset to your life to help you break through these limitations to reach success? *Source: Maliha Khalid and Ayyaz Kiani (interview with the author, January 15, 2019).* -Group size: 2-3. -200-250 words per question. -To be uploaded individually on the VLE.		John Bessant, John R. Bessant, Joe Tidd, *Innovation and Entrepreneurship,* Wiley (2015), pg. 231–239
	Session 8 *Assessing Risk and Recognizing Uncertainty*	*Presentation Handouts:* -Read the following article "Digital innovation and entrepreneurship: a review of challenges in competitive markets" and discuss whether the same challenges are applicable in your country. -What other challenges do you believe are present in your context? (Note: Discuss both contexts as this is a paired assignment). -Group size: pairs. -Recorded presentation (5 mins). -PowerPoint slides (8–10 slides).		John Bessant, John R. Bessant, Joe Tidd, *Innovation and Entrepreneurship,* Wiley (2015), pg. 239 - 258

		-To be uploaded individually on the VLE.		
Live Session 2	*Q&A Session via MS Teams (Link will be shared)*			
Week 5	*No Sessions*			
Week 6	*Session 9* *Leading Teams and Building Networks*		*Formative Assessment 3:* **Systematic Literature Review Analysis (20%)** -Read and summarize the following research paper: "Artificial intelligence and innovation management: A review, framework, and research agenda". -Make sure to have proper scientific reflection after the summary. -Individual work. -Format: Word document. -Word count: 600–750. -Way of submission: Individually on VLE.	John Bessant, John R. Bessant, Joe Tidd, *Innovation and Entrepreneurship,* Wiley (2015), pg. 261–317
	Session 10 *New Product and Service Development*	*Direct Question and Response/Individual Work:* -Read the following research paper Understanding sustainable innovation: A systematic literature review. -Do you believe that sustainable products/services are more successful and profitable? -Support your response with evidence. -Individual work. -Submission in Word format. -300-400 words. -To be uploaded individually on the VLE.		John Bessant, John R. Bessant, Joe Tidd, *Innovation and Entrepreneurship,* Wiley (2015), pg. 321-353
Live Session 3	*Q&A Session via MS Teams (Link will be shared)*			
Week 7	*Session 11*	*Individual Work:*		John Bessant, John R. Bessant, Joe Tidd, *Innovation*

	New Venture Creation: -Design Thinking Model	-Summarize the following systematic literature review: "The role of digital innovation in knowledge management systems: A systematic literature review," ensuring that you provide meaningful explanations of the key points. -Individual submission. -Submission in Word format. -500-650 words. -To be uploaded individually on the VLE.		*and Entrepreneurship,* Wiley (2015), pg. 357–386
	Session 12 ***Developing the Business Plans***		***Formative Assessment 4:*** **Systematic Literature Review Analysis (20%)** -Read and summarize the following research paper: "Digital innovation: A review and synthesis." -Make sure to have proper scientific reflection after the summary. -Individual work. -Format: Word document. -Word count: 600-750. -Way of submission: Individually on VLE.	John Bessant, John R. Bessant, Joe Tidd, *Innovation and Entrepreneurship,* Wiley (2015), pg. 389-409
Week 8	***Session 13*** ***Factors Influencing the Enterprise Growth***	***Direct Question and Answer:*** -Suggest five topics or ideas that you believe are of interest for research in the field of Entrepreneurship and Innovation Management. -These topics should have the potential for in-depth discussion. -Individual work. -Submission in Word format. -100 words. -To be uploaded individually on the VLE.		John Bessant, John R. Bessant, Joe Tidd, *Innovation and Entrepreneurship,* Wiley (2015), pg. 413–434
	Session 14 ***Business Models Creation***		***Formative Assessment 5:*** **Topic Proposal (25%)** -Prepare a research topic related to entrepreneurship and	John Bessant, John R. Bessant, Joe Tidd, *Innovation and Entrepreneurship,*

			innovation management and upload it to your VLE. -Be sure to consider the scope and focus of your literature review when selecting your topic. A good topic typically consists of 12 to 16 words, though some exceptions may be accepted. -Note: The topic should be something you have been interested in working on for at least two years, so choose wisely. -Way of submission: Individually on VLE.	Wiley (2015), pg. 439–511
Live Session 4	*Q&A Session via MS Teams (Link will be shared)*			
Week 9	*Session 15* Revision Session		*Summative Assessment 1 (E-Poster 40%)*	
Week 10 Week 11	*Submission of the Summative Assessment 2 – 60 %*			

4. Module Assessment

The assessment of this Module consists of Formative and Summative Assessment activities listed in Table 1 and described in Table 2 below:

Table 1:

Formative	Summative
33 hours	27 hours
Presentation	E-Poster – 40%
Project Output (Formative Submission)	Project Output (3000 words) – 60%
Formative	*Summative*

Prefinal grade is based on the Formative Assessment activities, and it is not a part of a module final grade. ***Students should have more than 50 points of the prefinal grade to be allowed to submit summative assessment activities which represent module final grade.***

Table 2:

Formative	Summative
Oral Assessment/ Online Participation: Each week, students will have to participate in a discussion forum, with questions covering the topics of the week. This will help students to interact with different perspectives due to the diversity of participation, as well as to develop proficiency in understanding and applying concepts and developing critical thinking.	
Presentation: Several articles on entrepreneurship and innovation management will be reviewed and analyzed throughout the module. Each week, a different group of students will be preparing their analysis of an article.	**E-Poster:** Students will be asked to create an e-poster that would present the main points within the entrepreneurship and innovation management research agenda and reference different authors who work in this area.
Project Output (Formative Submission): A topic of the research must be approved by instructor. Guidance will be provided on the focus and scope of the literature review.	**Project Output:** Students will have to conduct a literature review on one of the topics of their choice within entrepreneurship and innovation management, followed by a discussion and a proposal for further research.

The passing grade for the module is 60%.

Formative Assessments

4.1. Online Engagement

4.1.1. Week 2 – Session 3: Systematic Literature Review Analysis (15%)

Read and summarize the following research paper: *"Digital entrepreneurship: An interdisciplinary structured literature review and research agenda."* Make sure to have proper scientific reflection after the summary.

- Individual work.
- Format: Word document.
- Word count: 600-750.
- Way of submission: Individually on VLE.

4.1.2. Week 3 – Session 6: Systematic Literature Review Analysis (20%)

Read and summarize the following research paper: *"Innovation and the circular economy: A systematic literature review."* Make sure to have proper scientific reflection after the summary.

- Individual work.
- Format: Word document.
- Word count: 600–750.
- Way of submission: Individually on VLE.

4.1.3. Week 6 – Session 9: Systematic Literature Review Analysis (20%)

Read and summarize the following research paper: *"Artificial intelligence and innovation management: A review, framework, and research agenda."* Make sure to have proper scientific reflection after the summary.

- Individual work.
- Format: Word document
- Word count: 600–750.
- Way of submission: Individually on VLE.

4.1.4. Week 7 – Session 12: Systematic Literature Review Analysis (20%)

Read and summarize the following research paper "Digital innovation: A review and synthesis". Make sure to have proper scientific reflection after the summary.

- Individual work.
- Format: Word document.
- Word count: 600-750.
- Way of submission: Individually on VLE.

4.1.5. Week 8 – Session 14: Topic Proposal (25%)

Prepare a research topic related to entrepreneurship and innovation management and upload it to your VLE. Be sure to consider the scope and focus of your literature review when selecting your topic. A good topic typically consists of 12 to 16 words, though some exceptions may be accepted.

Note: The topic should be something you are interested in working on for at least two years, so choose wisely.

- Way of submission: Individually on VLE.

Summative Assessments

4.4. Summative Assessment - E-Poster (40%)

Students will be asked to create an e-poster that presents the main points within the entrepreneurship and innovation management research agenda and reference different authors who work in this area.

Objectives:

- Demonstrate expertise in selecting a proper research problem in the context of modern trends in entrepreneurship and innovation management research.
- Discuss the research gaps presented in the entrepreneurship and innovation management research agenda.
- Demonstrate mastery in navigating entrepreneurship and innovation management research agenda.
- Apply the most advanced and specialised skills and techniques, including synthesis and evaluation, to identify research gaps and to solve critical problems in research of entrepreneurship and innovation management issues.
- Explain the concept of entrepreneurship, its importance for the modern knowledge economy, and present entrepreneurship versus established businesses and as a way for creating employment and wealth.

- Redefine existing understanding of the concept of digital innovation in the form of digital transformation and widespread digitalization and exemplify entrepreneurial opportunities related to the application of digital technology to existing business problems.

Guidelines:

- **File format:** Typically, PDFs are preferred, though some platforms may accept PPT, JPG, or PNG.
- **Size:** The poster is usually in landscape orientation. A4 or A0 paper size (scaled for online display).

Content structure:

- **Title:** Place a clear and concise title at the top. Include your name, affiliation, and contact information.
- **Introduction:** Provide a brief introduction or background to your topic.
- **Main sections:** Organize your content in logical sections such as methods, results, and conclusions.
- **Figures and visuals:** Use graphs, charts, and images to break down data and emphasize key points. Ensure they are clear and well-labeled.
- **Text:** Keep it concise. Use bullet points and short paragraphs. Avoid long blocks of text.

Layout and design:

- **Balance:** Maintain a balance between text and visuals in case you wanted to add visuals. Avoid overcrowding.
- **Alignment:** Align text and images for a professional appearance.
- **Whitespace:** Use whitespace effectively to avoid clutter and enhance readability.

Evaluation Criteria - Rubric

Criteria	Design	Analysis	Solutions	Research	Structure and Format
0 to 20 pts	Poor and incomprehensible design.	Incomplete or no analysis of the issues.	Little or no action suggested, and/or inappropriate solutions to all the issues in the innovative and creative plan.	Incomplete research and poor reading.	Many errors and a lack of organization. There are more than occasional errors. Variety of formatting styles, with some inconsistencies throughout the paper.
21 to 49 pts	Not very understandable and poorly designed.	Superficial analysis of some of the issues in the case.	Superficial and/or inappropriate solutions to some of the issues in the case study.	Limited research and documented links to any readings.	There are occasional errors. Good skill level in formatting and organizing material in assignment. Above average level of preparedness, with few formatting errors.
50 to 75 pts	Understandable and well-worked design.	Insightful and thorough analysis of all the issues.	Appropriate, well thought out comments about solutions or proposals for	Good research and documented links to the material read.	Writing is free of errors. Formatting is good.

76 to 100 pts	Excellent design, self-explanatory.	Logically organized, key points, key arguments, and important criteria for evaluating business strategies were easily identified. Critical issues and key problems that supported the Case Analysis were identified and clearly analyzed and supported.	Specific recommendations and/or plans of action provided. Specific data or facts were referred to when necessary to support the analysis and conclusions. Recommendations and conclusions were presented and supported in an effective manner.	solutions. Excellent research into the issues with clearly documented links to the course text and/or outside readings.	Writing is free of errors. Formatting is excellent. Proper organization, professional writing, and logical flow of analysis. Logically organized, key points, key arguments, and important criteria for evaluating the business logic easily identified. Key points were supported with a well thought out rationale based on applying specific concepts or analytical frameworks to the data provided in the case. Proper grammar, spelling, punctuation, third person objective view, professional writing, and syntax.
Grade					

4.4. Summative Assessment – Project Output (60%)

Students will have to conduct a literature review on one of the topics of their choice within entrepreneurship and innovation management, followed by a discussion and a proposal for further research.

Explain the Summative Assessment Activity 1

Objectives:

- Develop new research projects within entrepreneurship and innovation management.
- Professionally analyze research on entrepreneurship and innovation management and propose ideas for meaningful further research in this area.
- Identify technological, social, and cultural issues and address the needs of a knowledge-based society by being able to specialize and research a particular issue within entrepreneurship and innovation management.
- Build upon existing knowledge about value creation to exemplify capture approaches for innovative/tech/digital businesses, intellectual properties, and related strategies, such as R&D strategy, R&D team and incentive design, R&D portfolio management.
- Contrast different disruptive technologies, their uses, applications and critically reflect on their potential (the Augmented and Virtual Reality (AR/VR), Internet of Things, Cybersecurity, Artificial Intelligence & Robotics, Data Analytics, Design Innovations for Manufacturing, Artificial Intelligence, Digital Fabrication, Blockchain, Industry 4.0).
- Explore the sociocultural issues related to digital innovative products and services and the impact they caused in the world.
- Critically examine ethical issues in entrepreneurship and management of innovation.

Guidelines:

Write a 2500-3000 systematic literature review following the steps:

1. Clearly outline the research aim or purpose behind the work you are doing.
2. Create a review plan: Outline the methods, inclusion/exclusion criteria, search strategy, and databases to be used.
3. Identify databases: Use academic databases like PubMed, Scopus, Web of Science, Google Scholar, etc.
4. Define search terms. Develop a list of keywords and phrases based on the research question. Combine search terms with AND, OR, NOT to refine results.
5. Review abstracts and full texts. Conduct initial screening by reading abstracts, then review full texts for final inclusion.
6. Extract key information. Create a data extraction form that includes study details like authors, year, methods, population, interventions, outcomes, and results.
7. Organize data. Use tables or spreadsheets to organize the information systematically.
8. Analyze findings. Discuss the implications of the findings, considering gaps, trends, and inconsistencies in the literature.
9. Draw conclusions. Link the results back to the original research question, highlighting key findings and potential applications.

If possible, use guidelines such as PRISMA (Preferred Reporting Items for Systematic Reviews and Meta-Analyses) to structure your report. Your final report should include the following sections:

1. Title

2. Abstract

3. Introduction (Research question and objectives)

4. Methods (Search strategy, inclusion criteria, data extraction)

5. Results (Study selection, quality assessment, synthesis)

6. Discussion (Implications, limitations, recommendations)

7. Conclusion

8. References

Evaluation Criteria – Rubric

Criteria	Identification of Main Issues	Analysis	Research	APA Structure and Format
	Clear explanation of key strategic issues. Research aim: A clear statement of the focused research goal. Review plan: An outline of methods, criteria, and search strategy. Databases: Relevant academic databases for comprehensive literature coverage. Search terms: Refined keywords using Boolean operators. Screening: A thorough review of abstracts and full texts based on criteria. Data extraction: A systematic collection of key study details. Data organization: Data arranged in tables or spreadsheets. Analysis: Discussion of findings, trends, and gaps in the literature. Conclusions: A summary of findings linked to the research aim.	Logically organized, key points, key arguments, and important criteria for evaluating business strategies were easily identified. Critical issues and key problems that supported the literature review were identified and clearly analyzed and supported.		Proper organization, professional writing, and logical flow of analysis. APA formatting. Logically organized, key points, key arguments, and important criteria for evaluating the business logic easily identified. Key points were supported with a well thought out rationale based on applying specific concepts or analytical frameworks to the data provided in the case. Proper grammar, spelling, punctuation, third person objective view, professional writing, and syntax.
0 to 20 pts	Identifies, works on, and understands few of the issues in articles (less than 5).	Incomplete or no analysis of the issues.	Incomplete research and links to any readings.	Many errors and a lack of organization.
21 to 49 pts	Identifies, works on, and understands a few of the issues in articles (between 6-10).	Superficial analysis of some of the issues in the case.	Limited research and documented links to any readings.	There are more than occasional errors. Variety of formatting styles, with some inconsistencies throughout the paper.
	Identifies, works on, and	Thorough analysis of	Good research and	There are

50 to 75 pts	understands most of the articles (between 10 and 20).	most of the issues.	documented links to the material read.	occasional errors. Good skill level in formatting and organizing material in assignment. Above average level of preparedness, with few formatting errors.
76 to 100 pts	Identifies and understands a wide range of research work and analyzes it using the PRISMA framework to reach accurate conclusions.	Insightful and thorough analysis of all the issues.	Excellent research into the issues with clearly documented links to the course text and/or outside readings	Writing is totally free of errors. Meets all APA standards. Formatting is excellent.
Grade				

5. Module Requirements

A. Core Readings List

1) Chell E., L.J. Spence, F. Perrini, J.D. Harris (2016). *Social Entrepreneurship And Business Ethics: Does Social Equal Ethical?* Journal of Business Ethics, 133 (4) (2016), pp. 619-625
2) Haefner, N., Wincent, J., Parida, V., & Gassmann, O. (2021). *Artificial Intelligence and Innovation Management: A Review, Framework, and Research Agenda.* Technological Forecasting and Social Change, 162.
3) Neck, H., et al. (2020). *Entrepreneurship: The Practice and Mindset*, (2nd ed.). SAGE Publications.
4) Ridley, M. (2020). *How Innovation Works: And Why It Flourishes in Freedom.* Harper.
5) Suchek, N., Fernandes, C. I., Kraus, S., Filser, M., & Sjögrén, H. (2021). *Innovation and the Circular Economy: A Systematic Literature Review.* Business Strategy and the Environment, 30(8), 3686-3702.
6) Vallaster C., S. Kraus, J. M. Merigó Lindahl, A. Nielsen, (2019), *Ethics And Entrepreneurship: A Bibliometric Study And Literature Review*, Journal of Business Research, Volume 99, p. 226-237

B. Supplementary Reading List

1. Aminoff, A., Valkokari, K., Antikainen, M., & Kettunen, O. (2017). *Exploring Disruptive Business Model Innovation for the Circular Economy.* In International Conference on Sustainable Design and Manufacturing (pp. 525-536). Springer, Cham.
2. Brown, S. (2020). *The Innovation Ultimatum: How Six Strategic Technologies Will Reshape Every Business in the 2020s,* (1st ed). Wiley.
3. Cagan, M. (2017). *Inspired: How to Create Tech Products Customers Love* (2nd ed.) Wiley.
4. Chou, D. C. (2018). *Applying Design Thinking Method to Social Entrepreneurship Project.* Computer Standards & Interfaces, 55, 73-79.
5. Cillo, V., Petruzzelli, A. M., Ardito, L., & Del Giudice, M. (2019). *Understanding Sustainable Innovation: A Systematic Literature Review.* Corporate Social Responsibility and Environmental Management, 26(5), 1012-1025.
6. Di Vaio, A., Palladino, R., Pezzi, A., & Kalisz, D. E. (2021). *The Role of Digital Innovation in Knowledge Management Systems: A Systematic Literature Review.*

Journal of Business Research, 123, 220-231.

7. Dobni, B., & Sand, C. (2018). *Strategy Shift: Integrating Strategy and the Firm's Capability to Innovate.* Harvard Business Review, August.
8. Govindarajan, V., et al. (2019). *It's Time to Stop Treating R&D As a Discretionary Expenditure.* Harvard Business Review, January.
9. Govindarajan, V., et al. (2019). *R&D Spending Has Dramatically Surpassed Advertising Spending.* Harvard Business Review, May.
10. Ibarra, D., Ganzarain, J., & Igartua, J. I. (2018). *Business Model Innovation Through Industry 4.0: A Review.* Procedia Manufacturing, 22, 4-10.
11. Johnson, M. (2018). *Digital Growth Depends More on Business Models Than Technology.* Harvard Business Review, December.
12. Kohli, R., & Melville, N. P. (2019). *Digital Innovation: A Review and Synthesis.* Information Systems Journal, 29(1), 200-223.
13. Lu, J., Akinola, M., & Mason, M. (2019). *Switching on Creativity.* Rotman Management Magazine, January.
14. Metallo, C., Agrifoglio, R., Schiavone, F., & Mueller, J. (2018). *Understanding Business Model in the Internet of Things Industry.* Technological Forecasting and Social Change, 136, 298-306.
15. Muris Media Film, A. (2014). *Documentary: Design Thinking.* https://vimeo.com/86338190
16. Reis, J., Amorim, M., Melão, N., & Matos, P. (2018, March). *Digital Transformation: A Literature Review and Guidelines for Future Research.* In World Conference on Information Systems and Technologies (pp. 411-421). Springer, Cham.
17. Shujahat, M., et al. (2019). *Translating the Impact of Knowledge Management Processes Into Knowledge-based Innovation: The Neglected and Mediating Role of Knowledge-worker Productivity.* Journal of Business Research, 94, 442-450.
18. Tabrizi, B. (2019). *Digital Transformation Is Not About Technology.* Harvard Business Review, March.
19. Villarroel, A. (2018). *When Innovation Moves at Digital Speed: Strategies and Tactics to Provoke, Sustain, and Defend Innovation in Today's Unsettled Markets (The Digital Future of Management).* MIT Sloan Management Review.
20. Vrontis, D., & Christofi, M. (2021). *R&D Internationalization and Innovation: A Systematic Review, Integrative Framework and Future Research Directions.* Journal of Business Research, 128, 812-823.
21. Yrjölä, S., Ahokangas, P., & Matinmikko-Blue, M. (2018, September). *Novel Context and Platform Driven Business Models via 5G Networks. In 2018 IEEE 29th Annual International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC)* (pp. 1-7). IEEE.
22. Zaheer, H., Breyer, Y., & Dumay, J. (2019). *Digital Entrepreneurship: An Interdisciplinary Structured Literature Review and Research Agenda.* Technological Forecasting and Social Change, 148.
23. Zaki, M. (2019). *Digital Transformation: Harnessing Digital Technologies for the Next Generation of Services.* Journal of Services Marketing.

C. General Rules for Submitting Written Assignments

Prior to the assessment and grading, all homework assignments submitted via Virtual Learning Environment (VLE) are checked for plagiarism with the software embedded to the system. Before turning in the first assignment each student is responsible to familiarize him/herself with the *Plagiarism Handbook* available in the VLE.

Written assignments should generally be typewritten and will only be marked and graded if they are submitted via VLE by the requested time. **Late submissions will not be accepted under any circumstances!**

Being virtually absent shall not be an accepted excuse for <u>not submitting the required homework for the following session.</u>

<u>**Technical issues:**</u> The VLE system works functionally well and technical issues are almost nonexistent. Failure to submit the assignment on a timely basis is typically a result of a misuse of the VLE instructions or simply a missed deadline.

In case a student experiences issues with the submission of a particular assignment, an email should be sent <u>before the submission deadline</u> to the lecturer (with a copy to the Academic Coordinator) along with the screenshot of the technical issue. Each case will be thoroughly investigated, and the ultimate decision will be made by the Academics Department whether the homework should be accepted for evaluation and grading.