



Pioneering Socioeconomic Solutions & Development

Module Code: IE10-36*

Module Title: Inspiration Engineering & Differential Diagnosis

Faculty: Socioeconomy

Level: 10 Semester: Four

Credits: 20

First year of presentation: 2024

Administering Faculty: Dr Mohamed Buhijji

Pre-requisite or co-requisite modules: None

1.0 Allocation of study and teaching hours

Student hours allocation	Student Hours	Staff hours
Lectures (Taking Discussion Notes, Participation in Visits and Active Contribution)	80	160
Practical classes/ Presentations/ (Module Project & Presentation)	35	20
Inspiration Labs (Project Hubs)	35	20
Self-directed study, Set reading etc. (Student case studies)	15	-
Assignments – preparation and writing	15	10
Examination (Open Book) – Assessment	20	10
TOTAL	200	220

2.0 Brief description of aims and content

The module targets to build practices on Inspiration Engineering Designs and how it creates a strong currency of inspiration. With the integration of design and inspiration engineering we can create more stable communities that is full of inspiration resources that leads to independent business models. The module focus on the implementation of Differential Diagnosis as a technique that can help in systematically identify the potential presence of opportunities where multiple alternatives are possible. The students would learn to apply differential diagnosis and take challenges and to come up with more definitive diagnostic checks. The students also would go through differential diagnosis cases and projects to see how to become better forecasters of possibilities and probabilities with more focused evidence-based approaches. Learnings from Differentiation Diagnosis and its application in Inspiration Labs are discussed and replicated by the students as part of exercises.

3.0 Learning Outcomes

3.1 General Learning Outcomes

The students of this module will have acquired the following learning and experience:

- i. Critically Understand the different types of socio-economic development that can be achieved through Inspiration Engineering & Differential Diagnosis.



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- ii. How to create different socioeconomic problems could be tackled through Inspiration Engineering Tools and Differential Diagnosis communities according to different situations.
- iii. Apply critical thinking in analyses and syntheses of the Inspiration Economy model achieved and areas for improvement.
- iv. Critically Understand the necessity and nature of Differential Diagnosis & its Application to Complex Problems Solving
- v. Evaluate when and why: Differential Diagnosis is important.
- vi. Apply models and frameworks of Differential Diagnosis in different situations.
- vii. Effectively illustrate real-life situations that lead to community development.
- viii. Apply critical thinking in analyses and syntheses on the different types of community development achieved.
- ix. Evaluate when and how: Socio-economic development is created.
- x. Appreciates what type of socio-economic development that would address the different communities needs.
- xi. Effectively illustrate creation of small models in real-life situation.

3.2 Cognitive/Intellectual skills/Application of Knowledge

Having successfully completed the module, students should be able to:

- xii. Use Differentiation Diagnosis to discover hidden opportunities inside contemporary and future challenges, using lots of positive psychology techniques;
- xiii. Solve, Develop, Improve life and livelihoods through Differentiation Diagnosis.
- xiv. Specialise in eliminating poverty, improving equality, and empower the vulnerable using Differentiation Diagnosis.
- xv. Work on creating participatory community programs using Differentiation Diagnosis.
- xvi. Identify opportunities and work on improving of fostering collective strategies to maximise the Differentiation Diagnosis impact.

3.3 Communication/ICT/Numeracy/Analytic Techniques/Practical Skills

Having successfully completed the module, students should be able to:

- xvii. Work with the employees to improve the culture of the organisation and adapt to new conditions or ensure the transition or transformation to the new state.
- xviii. Illustrate how the observations and the opportunities depend on the different conditions of the field, and they play in the final outcome of socio-economic change.
- xix. To synthesise and critically evaluate with empathy challenges, problems, ideas, opportunities and observations from multiple sources and from different perspectives, i.e. with holistic thinking, in order to develop coherent and evidence-based arguments.

3.4 General Transferable Skills

- xx. Identify, or exploit opportunities around the problem and then to analyse them to develop short- and long-term solutions.



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- xxi. Be Unique in research, and creativity, besides can work with diversified teams.
- xxii. Demonstrate profound knowledge in the field of Differentiation Diagnosis and its related practice while applying its relevant theoretical and practical frameworks.
- xxiii. To synthesise and critically evaluate the challenges, problems, ideas, opportunities and observations from Differentiation Diagnosis.
- xxiv. Creatively and systematically address complex socioeconomic issues and develop practical and innovative solutions.

4.0 Indicative Content

- a) Introduction to the application of inspiration engineering & how Differentiation Diagnosis should be able to collect opportunities from 'problems' or 'challenges' observed by others.
- b) Reviewing how Inspiration Economy and Differentiation Diagnosis Models are related to the inspiration engineering needs design in a way that makes us ready for any type of challenge or able to discover the opportunities in challenges.
- c) Inspiration sources to consider the demands of the environment around the targeted area that we hope to inspire.
- d) Researching how can Inspiration Engineering can be developed to maintain and update the knowledge base about the depth of opportunities to be seen in failures, repetitions or challenges.

5.0 Learning and Teaching Strategy

	<i>Topics covered</i>	<i>CILOs</i>	<i>Teaching Method</i>	<i>Assessment</i>
1	<i>Introduction to the application of inspiration engineering & complex problems solving, including how Inspiration engineers should be able to collect opportunities from 'problems' or 'challenges' observed by others.</i>	i. . ii. .	<i>Lecture/ Discussion</i>	<i>Active Participation</i>
2	<i>Reviewing Case Studies of Differential Diagnosis and possible applications to different contemporary challenges.</i>	iii. iv.	<i>Lecture/ Case Studies, Students Presentations & Discussion</i>	<i>Assignment #1</i>
3	<i>Experimenting with Differential Diagnosis thinking & Required Mindset.</i>	X, xi, xii,	<i>Lecture/ Discussion/ Projects/ Case Study</i>	<i>Case #1 Inception of Module Project</i>
4	<i>Researching how can Inspiration Engineering can be developed to maintain and update the Differential Diagnosis to enhance the depth of opportunities to be seen in failures, repetitions or challenges.</i>	Viii, xiv	<i>Research Analysis Application</i>	<i>Research & Active Participation</i>



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5	<i>Explore Creating Models, based on the demands might be included in the inspiration design</i>	<i>Xv, xi,v</i>	<i>Lecture/ Students Presentations, Discussion</i>	<i>Project Continuation</i>
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Open Book Exam

6.0 Assessment Strategy

- Taking Discussion Notes,
- Participation in Visits and Active Contribution
- Assignments
- Students Case Studies
- Module Project & Presentation
- Final (Open Book Exam)

7.0 Assessment Pattern

Components	Weighting (%)	Learning objectives covered
In-module assessment:	30%	
Taking Discussion Notes, Participation in Visits and Active Contribution		1,2,3,4,5,6
Assignments		
Students Case Studies		
Final assessment:	70%	
Module Project & Presentation	45%	
Final Assessment (Open Book Exam)	25%	1,2,3,4,5

8.0 Strategy for feedback and student support during module

Each Presentation is marked, marks post on the module Web on the University Postgraduate Online Campus Platform, with immediate feedback (direct contact with the student or contact through the online modules platform); Specimen examination papers and solutions available.

9.0 Indicative Resources

Besides the international references in the relevance to the module, the following are the IIEP published research:

Book of Reference No 1

Buheji, M and Ahmed, D (2017) *Breaking the Shield*, - Introduction to Inspiration Engineering (English) Archway Publishing -USA, ISBN- 978-1480848061.

Book of Reference No 2

Buheji, M and Ahmed, D (2019) *The Defiance - A Socio-Economic Problem Solving* (Edited Book), AuthorHouse, UK. ISBN: 978-1-7283-8869-4.



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Book of Reference No 3

Buheji, M. (2018) Re-Inventing Our Lives, A Handbook for Socio-Economic “Problem-Solving”, AuthorHouse, UK. ISBN- 978-1-5462-9840-3.

Book of Reference No 4

Buheji, M (2016) Handbook of Inspiration Economy. Bookboon, London, UK. ISBN: 978-87-403-1318-5.

Paper References

1. Buheji, M (2019) Shaping the Anatomy of Socio-Economic Community Problems towards Effective Solutions, Issues in Social Science, Vol. 7, No. 1, pp. 1-11.
2. Buheji, M (2017) Understanding Problem-Solving in Inspiration Labs, American Journal of Industrial and Business Management, 7, pp. 771-784,
3. Buheji, M (2020) Easing Post-Pandemic Socio-economic ‘Wicked Problems’ through Exploratory Visits –Taking ‘Generational Poverty’ as an Example. International Journal of Management (IJM) Volume 11, Issue 12, December, pp.118-131
4. Buheji, M (2020) Coronavirus as a Global Complex Problem Looking for Resilient Solutions, Business Management and Strategy, Vol. 11, No. 1, 94-109.
5. Buheji, M (2019) Shaping the Anatomy of Socio-Economic Community Problems towards Effective Solutions, Issues in Social Science, Vol. 7, No. 1, pp. 1-11.
6. Buheji, M (2017) Understanding Problem-Solving in Inspiration Labs, American Journal of Industrial and Business Management, 7, pp. 771-784,
7. Buheji, M and Ahmed, D (2016) Application of Differential Diagnosis in Inspiration Economy Labs – A Literature Review, International Journal of Economic Research, 13(8), 2016: 3681-3687

10.0 Other resources used (e.g. e-Learning, field visits, periodicals, software, etc.):

- a) Additional required materials will be provided throughout this module in a soft copy.
- b) Field Visits will be arranged based on students availability in the Morning or Afternoon to certain entities that have managed to bring solutions for complex problems, or have a problem that needs to be investigated.
- c) Case Studies of both Inspiration and Resilience economies and similar concepts that lead to love models creation that influenced the socio-economy.

11.0 Module Team

To be announced once HEC give provisional approval

Dr. MOHAMED Buhijji

Professor FAIZ Galloui

Professor NADA Trunk

Dr. DUNYA Ahmed

Module coordinator: Dr. Mohamed Buheji & TBA (Program Advisory Board)

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UNIT APPROVAL

Faculty	Dean /Director	Date
1	Signature	
	1.Dr. MOHAMED Buheji (Founder International Inspiration Economy Programme)	
	Signature	
	2. Mr.(Director Quality Assurance SIAS) To be recruited once HEC grant provisional approval for SIAS	
2	Signature	
	3.Prof. Dunya Ahmed (Vice-Chancellor SIAS)	
	Signature	

Seen and noted

Library	Signature	
	Print Name Pending Recruitment after HEC approval	
ICT	Signature	
	Print Name Pending Recruitment after HEC approval	
Quality Office	Signature	
	Print Name Pending Recruitment after HEC approval	
VRAF (Director Finance) SIAS	Signature	
	Print Name Pending Recruitment after HEC approval	





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