Using Varied Assessments for Learning Development

Lessons from an independent study portfolio assignment

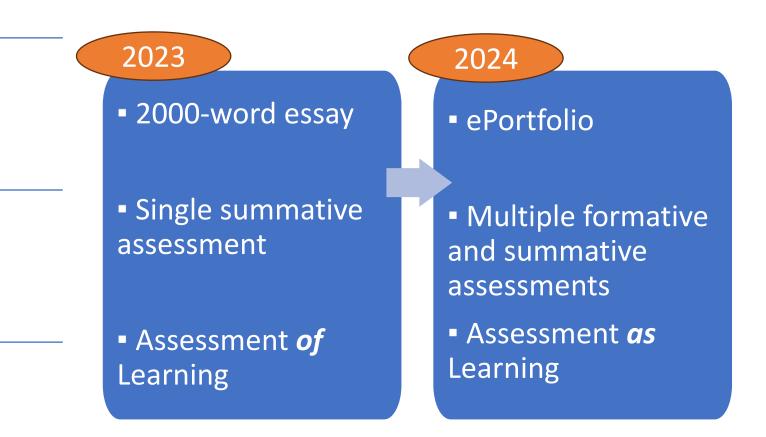
Dr Nigel Forest and Dr Mike Tennant Centre for Environmental Policy

Background

MSc Environmental Technology

Learning from Sustainable Business module

22 students



Assignment

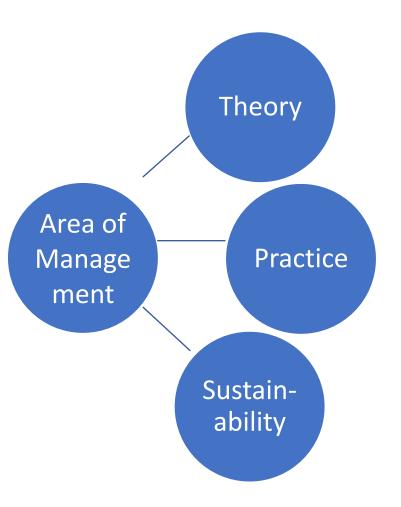
Individual study

Develop an integrated, topical ePortfolio on Padlet

Demonstrate in-depth knowledge of an area of business management

Student led: topic choice, focus, design, content

Some broad directives and constraints



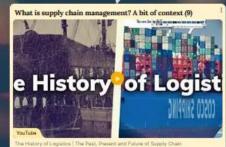


waste, and achieving efficiency inability by minimizing

ility to technological and social These characteristics have

ices, and community support mic) (SDG11, 8)

/short-term) while being ple A theory to help us navigate



> This examination of history allows us to recognize the enduring importance of supply chain management.

· In Ancient Empire, it was not just as a facilitator of trade and conquest but a meticulously planned and integral component of military strategies, coordinating supply lines, provisioning, and strategic

What is supply chain management? A definition (8) Supply chain management Relevent to Supply CHein Management m%2Faearcherp%2Fdefinition%2Faupply-ch

Zoom

Supply chain management (SCM) is the centralized management of the flow of goods and services to and from a company and includes all of the processes involved in transforming raw materials and components into final products.' (8)

Particularly important area as efficient SCM plays a pivotal role in optimizing a company's operations by · minimizing inefficiencies,

· maximizing customer value,

· and securing a competitive edge in the market.

Historical Contect



. The IIT theory adapted to its post-war time focusing on resource efficiency and cost-saving but isn't agile in the face of disruptions and sudden demand spikes, emphasizing the need for a strategic approach that balances efficiency with the resilience required to navigate unforeseen challenges.

Seminal Concept/Publication: The Trip	ele A Supply Chain (1)	
Building the Triple-A Supply Chain		
Agility Objectives: Respond to short-term changes in demand or supply quickly, handle external disruptions smoothy.	Adaptability Objectives: Adjust supply chain's design to meet struc- tural shifts in markets; modify supply network to strategies, products, and technologies.	
Methods: • Promote flow of information with suppliers and customers. • Develop collaborative relationships with suppliers. • Design for postponement. • Build inventory buffers by maintaining a stockpile of inexpensive but key components. • Have a dependable logistics system or partner. • Draw up contingency plans and develop crisis management teams.	Methods: • Monitor economies all over the world to spot new supply bases and markets. • Use intermediaries to develop fresh suppliers and logistics infrastructure. • Evaluate needs of ultimate consumers—net just immediate customers. • Create flexible product designs. • Determine where companies' products stand in terms of technology cycles and product designs.	

crisis management teams. Table summarizing of the theory from (5)

The Triple-A Supply Chain framework recognizes that the modern business environment is characterized by uncertainty, volatility, and rapid changes. To thrive in such an environment, a supply chain needs to go beyond traditional approaches and cultivate adaptability, alignment, an agility

This framework has become a foundational concept in supply chain management, guiding organizations in developing strategies responsive, cohesive, and resilient.

• won the Second Place McKinsey Jovard in 2004 (6).

cited over 3.000 since 2004 (7)

Seminal Key Idea We have seen that the SCM context Before Hau Lee evolved around efficient and cost saving, yet ..

"The best supply chains aren't just fast and costeffective. They are also agile and adaptable, and they ensure that all their companies' interests stay aligned.71

besed on the peril of efficiency

Alignment Objective: Methods

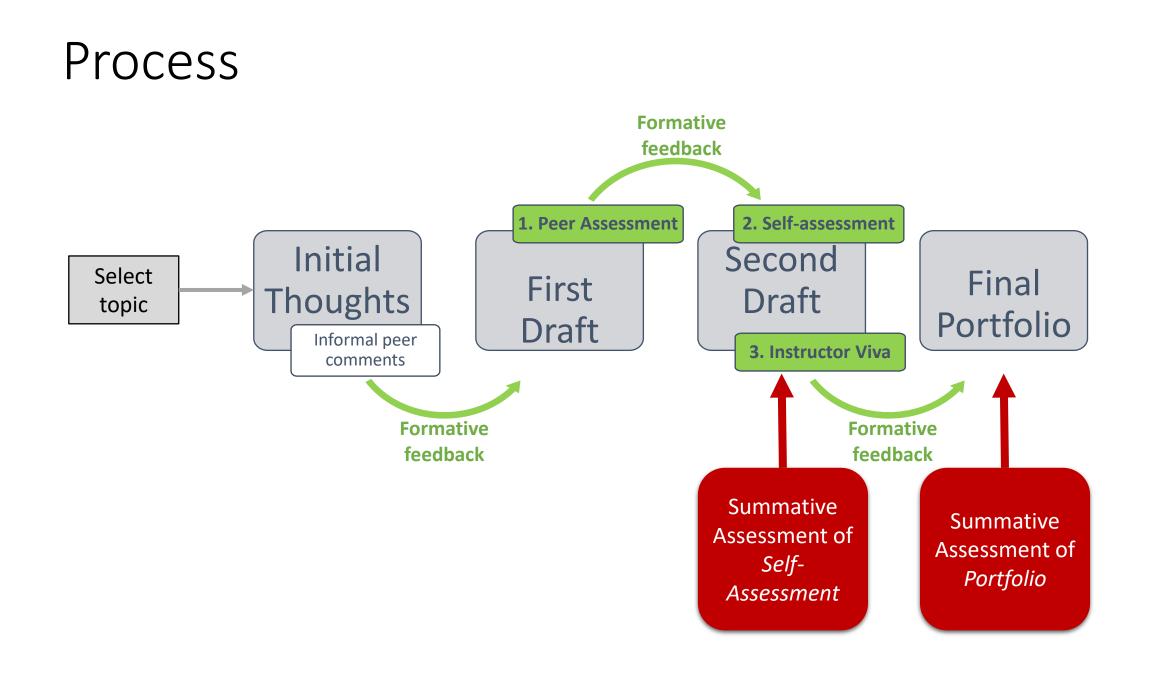
Portfolios

Flexible and varied demonstration of knowledge

- Allows creativity
- Lends itself to sharing knowledge / collaboration

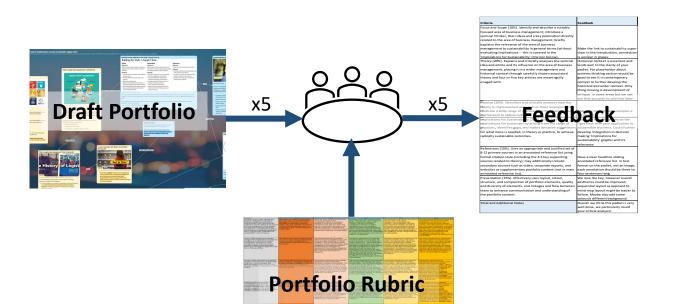
Authentic	Self-regulative
Tasks	learning
Constructive	Student
Feedback	Autonomy

Barbera, E., 2009. Mutual feedback in e-portfolio assessment: an approach to the netfolio system. British journal of educational technology, 40(2), pp.342-357.



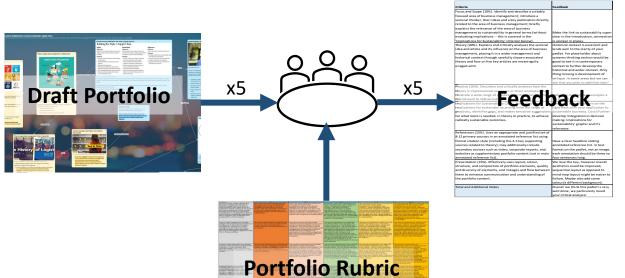
1. Peer Assessment

- In groups, assess each portfolio from a different group
- Assess against the portfolio rubric
- Written feedback on each portfolio
- single-blind: feedback is anonymous.



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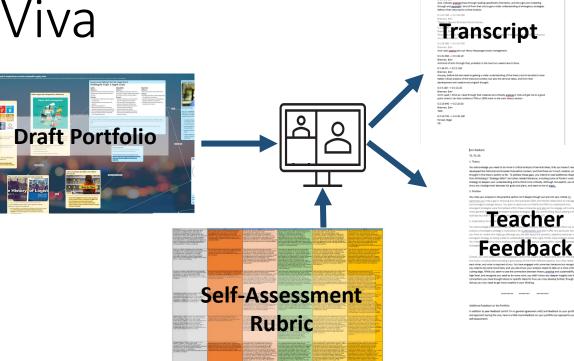


Objectives

- Understand rubric (assignment goals & objectives)
- Stimulation of presentational / design ideas
- Formative feedback of own work

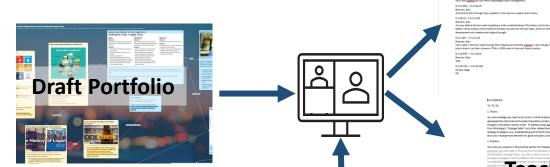
2. Self Assessment and Viva

- Submit a second draft
- Self-assess rough draft against the self-assessment rubric
- Video viva to defend selfassessment
- Assessed against the selfassessment rubric
- Written feedback on selfassessment
- Summative: 30% of total



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Self-Assessment Rubric

- Critical Analysis—recognises important shortcomings
- *Plan of Action*—outlines ideas and plans for completion
- *Alignment*—demonstrates alignment of goals, draft, and plan
- *Specificity*—refers to details of rubric, draft, and plan

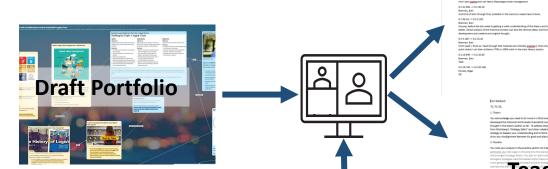


Transcript

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Objectives

- > Understands progress and remaining work
- Develops self-assessment skills
- Formative feedback on portfolio



Transcript

Additional Realitack on the Portfolio In addition to peer feedback which if m is general agreement with) and feedback on your pertfolio and approach during the viol, here is a little more feedback on your portfolio (as apposed to your adminusastered).

Final Portfolio

- Submit final draft
- Assessed against portfolio rubric
- Summative Assessment 70% of total

Portfolio Rubric

Category	Criteria
Focus and Scope (10%)	 suitably focused area of business management; introduces a seminal thinker, ideas and key publication; explains the relevance to sustainability
Theory (20%)	 Explains the seminal idea and its influence; Critically analyses the idea; Integrates into wider context
Practice (20%)	 Describes / critically analyses practice of theory two or three well-chosen examples
Implications for Sustainability (20%)	 Considers sustainability implications of theory and practice identifies gaps related to sustainability; Suggests improvements for radically sustainable outcomes;
References (15%)	 Appropriate and justified set of sources; Annotated reference list; Carefully chosen supplementary sources;
Presentation (15%)	 Effective use of layout, colour, structure, and composition of portfolio elements; Quality, diversity and number of elements; Clear and helpful linkages and flow between elements;

Outcomes*

- Level of engagement
- Meeting intended learning objectives
- Subsequent use of knowledge
- Marking experience
- Self-assessment/viva effect on portfolio grade

*Preliminary, based on qualitative reflection

Lessons Learned

- Quality of peer assessment \rightarrow make pass / fail
- Self-assessment marking \rightarrow make it pass /fail
- Portfolio Rubric \rightarrow make finer grained
- Self-assessment / viva timing → a week later relative to peer assessment



Thank You

Questions?