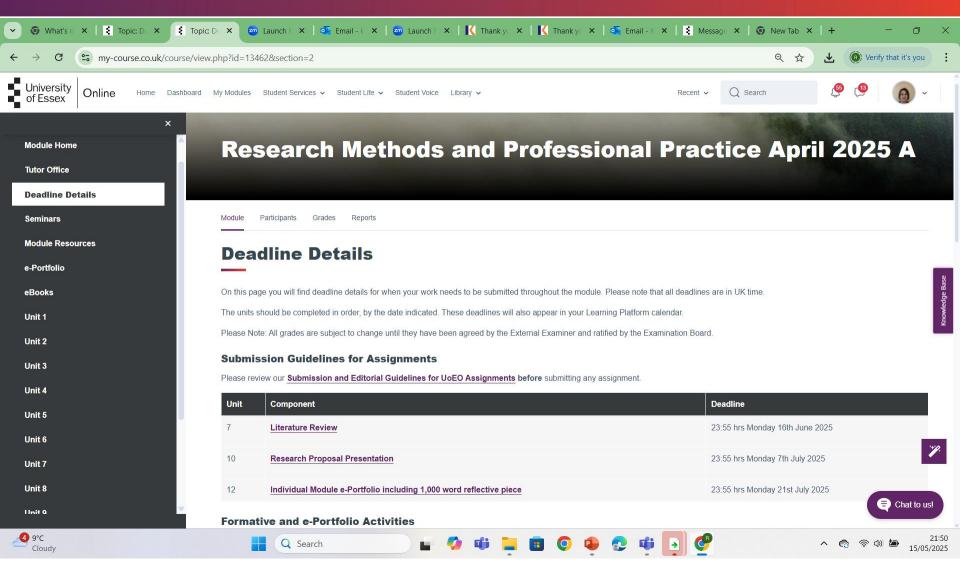


Research Methods and Professional Practice: Seminar: 2 Karen Outram



Deadlines:

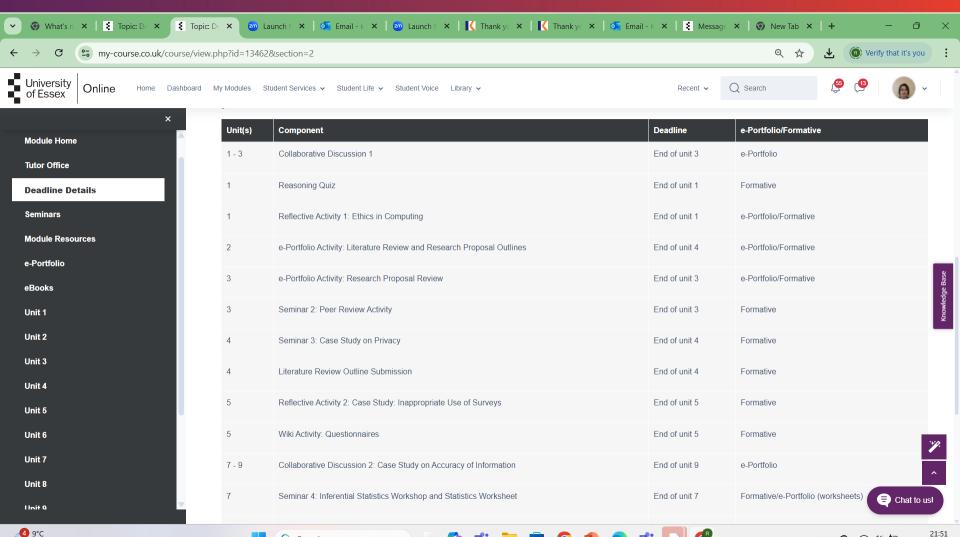




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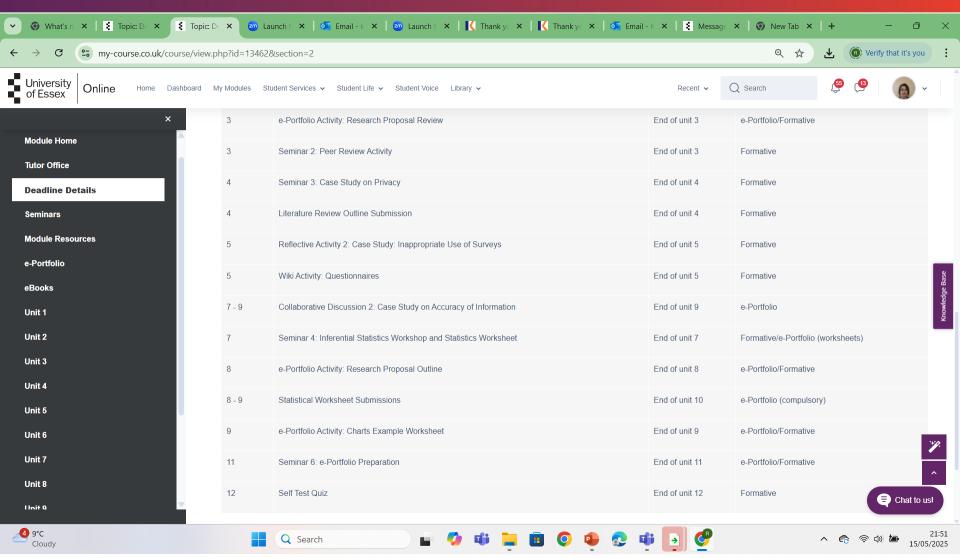
E-portfolio and formative:



Q Search

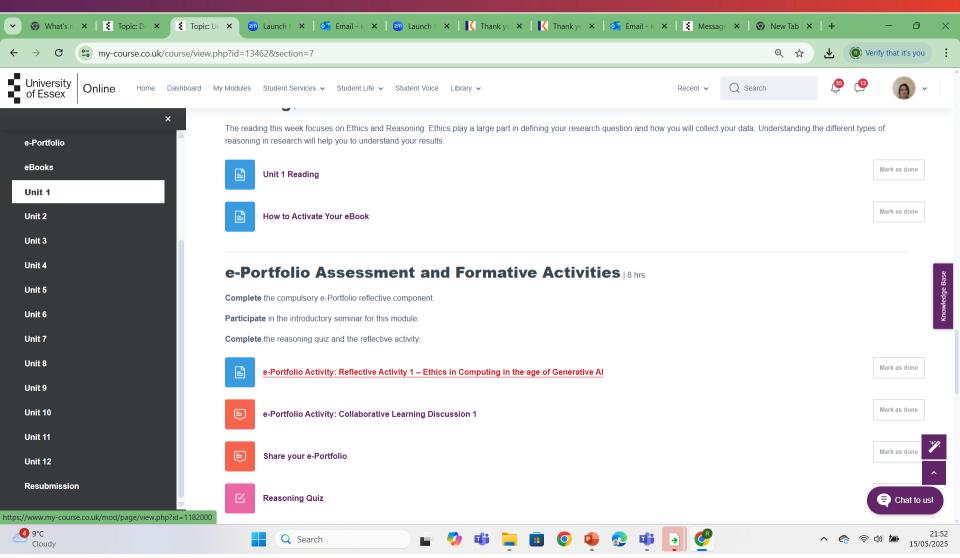


E-portfolio and formative:





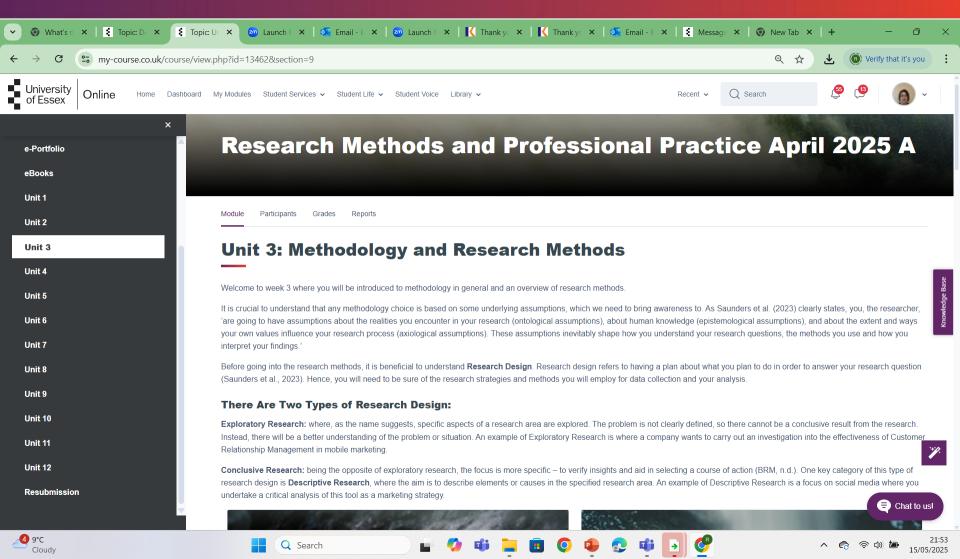
E-portfolio and formative:



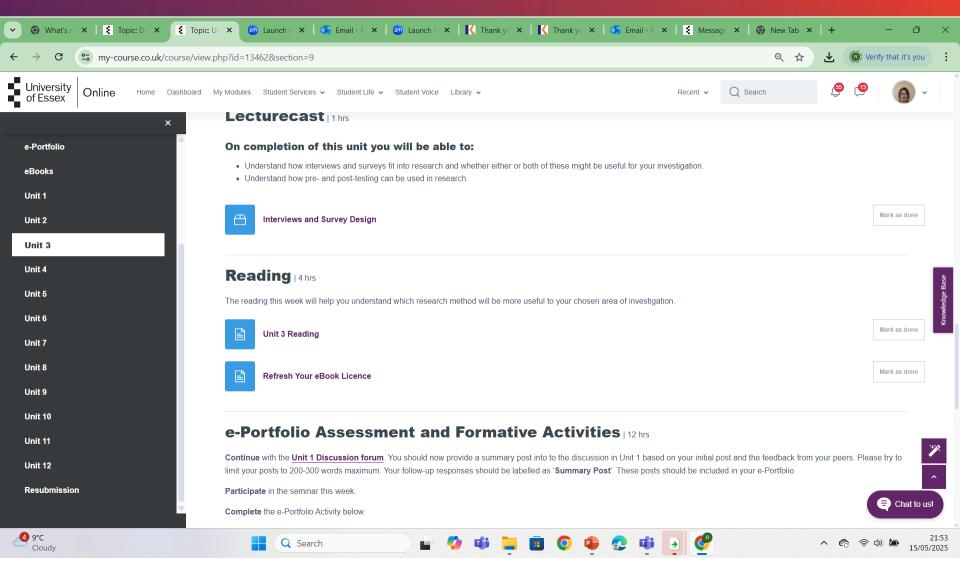


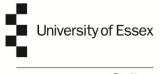
- Unit 3: Research methods
- Engagement with peer review activity
- Unit 4: Incorporating case studies, observations and focus groups
- Progressing with the Literature review, [looking forward to formative and summative]

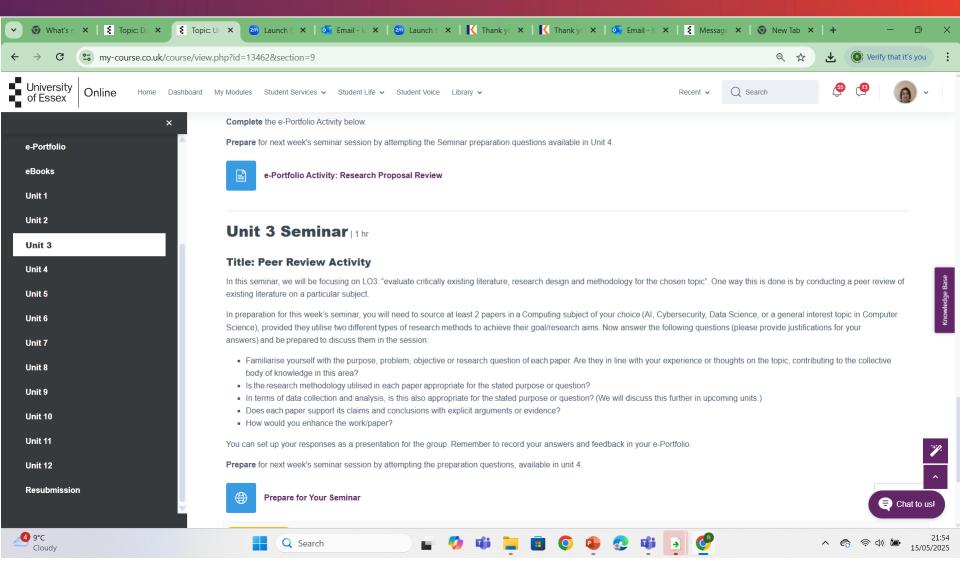




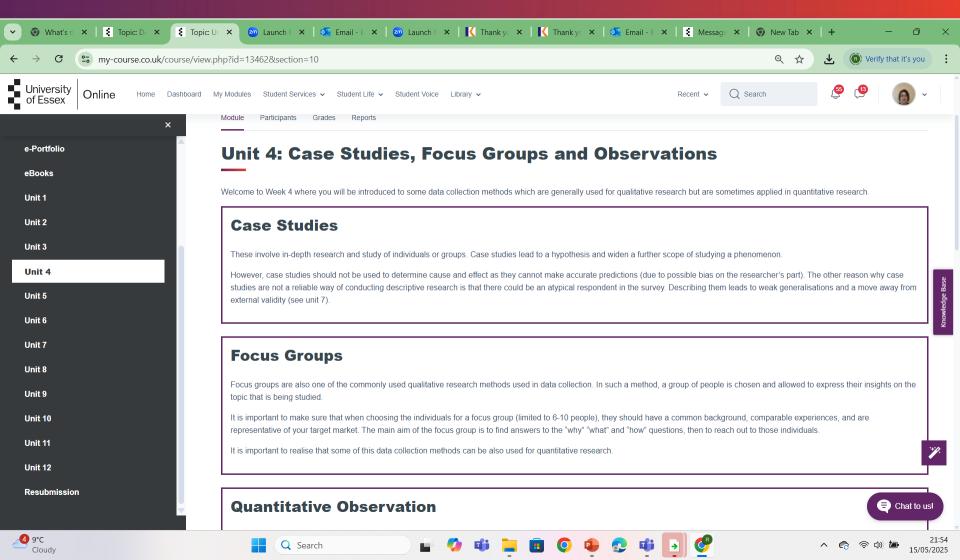






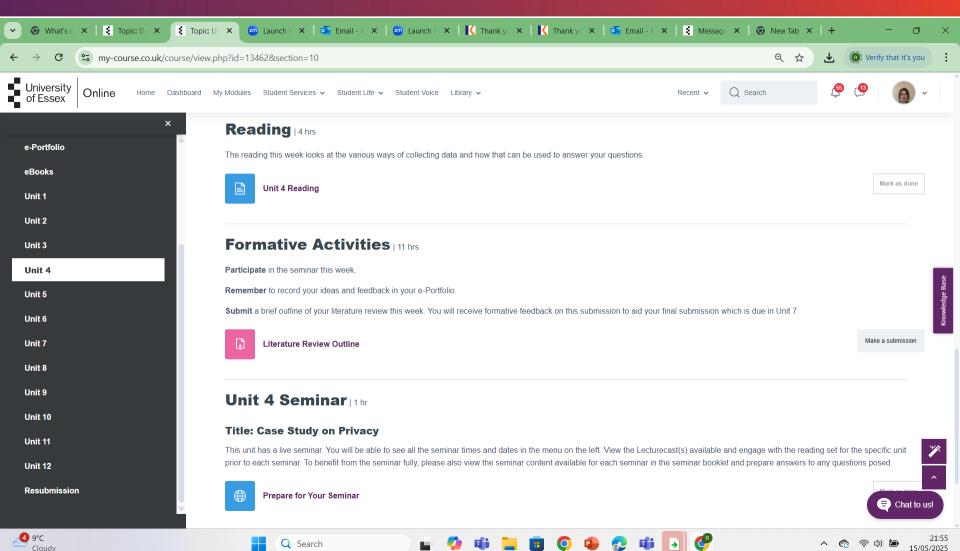


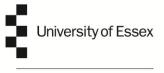




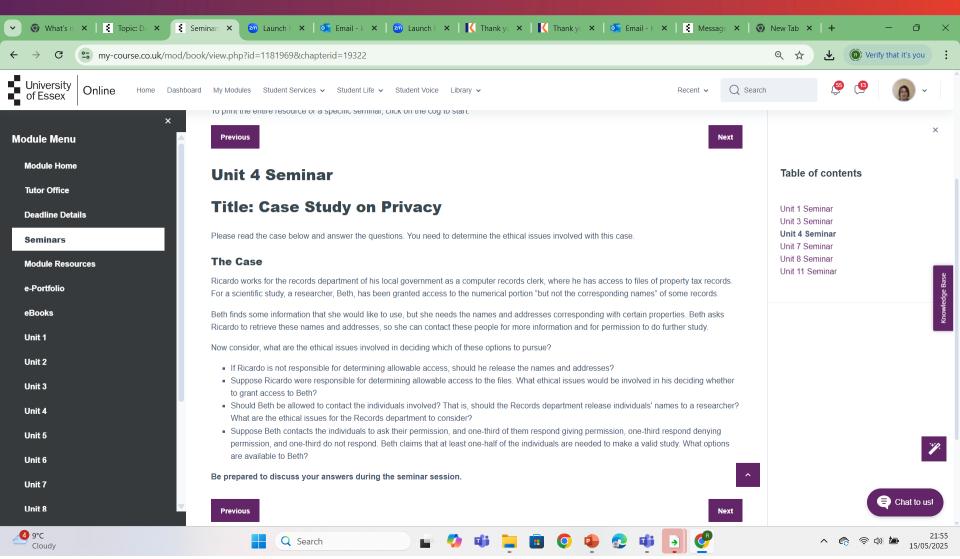


E-portfolio and formative: Research Proposal Review [linked to Research Proposal Presentation]





E-portfolio and formative: Case Study





Unit 3: Research methods: This peer review needs to be added to your e-portfolio:

Through the course of this week, when developing your peer review for Unit 3 – ensure that you are sharing your e-portfolio and engage in discussion where you are comfortable doing this:

Unit 3 requires you to source:

At least Two papers in a Computing field of your choice that utilise the two different types of research methods to achieve their goal/research aims. Familiarise yourself with the purpose, problem, objective or research question of each paper.

- Are they in line with your experience or thoughts on the topic,
 contributing to the collective body of knowledge in this area?
- Is the research methodology utilised in each paper appropriate for the stated purpose or question?
- In terms of data collection and analysis, is this also appropriate for the stated purpose or question? (We will discuss this further in upcoming units.)
- Does each paper support its claims and conclusions with explicit arguments or evidence?
- How would you enhance the work/paper? Remember to record your answers and feedback in your e-Portfolio.



Unit 3: Research design strategy:

Research process:

- Focus on what the area of chosen study is.
- Carefully pin point a research topic.
- What will your research approach be?
- Careful planning for undertaking research.
- Use deep research to gather information and data.
- Analyse, evaluate and interpret the data and research.
- Apply and present your results and findings.

Research Method Types:

- Exploratory Research: specific aspects of research related to the topic that is explored.
- Conclusive Research: Descriptive Research; describe elements or causes in the specified research area.



Unit 3: Research methods:

Action research 'the carefully documented (and monitored) study of an attempt by you to actively solve a problem and/or change a situation' (Herbert, 1990: 29).

Experiment 'Involves an investigation of causal relationships using tests controlled by yourself'.

Case study A case study is 'an in-depth exploration of one situation' (Cornford and Smithson, 2006: 71)

Survey It allows 'the collection of a standardised data from a sizable population in a highly economical way' (Saunders et al., 2012: 177).

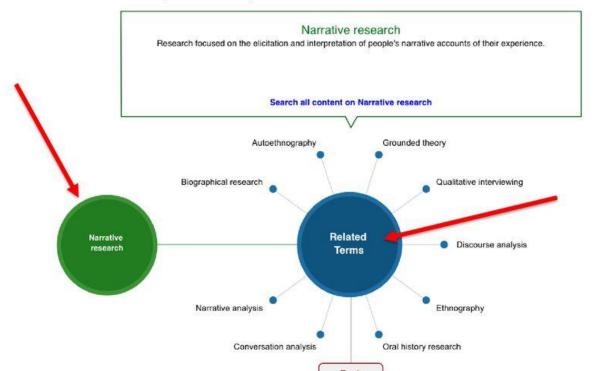




Unit 3: Research methods: Unit 3: SAGE (2021) Research Method Maps:

SAGE Research Methods

Methods Map example:





Unit 3: Research methods: Unit 3: E-Portfolio Activity: Research Proposal

In Units 1 and 2 we discussed that you should chose a research topic:

We also discussed looking forward for unit 3 [during seminar 1]

- Thinking now about the area/topic of interest you have chosen for your area, [and looking forward to the Literature Review formative and summative]:
- Consider which methods of research discussed in unit 3 [reading materials] would suit your research methodology
- Consider which methods of data collection that you want to use for your research
- Consider both qualitative and quantitative research methods



Unit 4: Case Studies, Focus Groups and Observations:

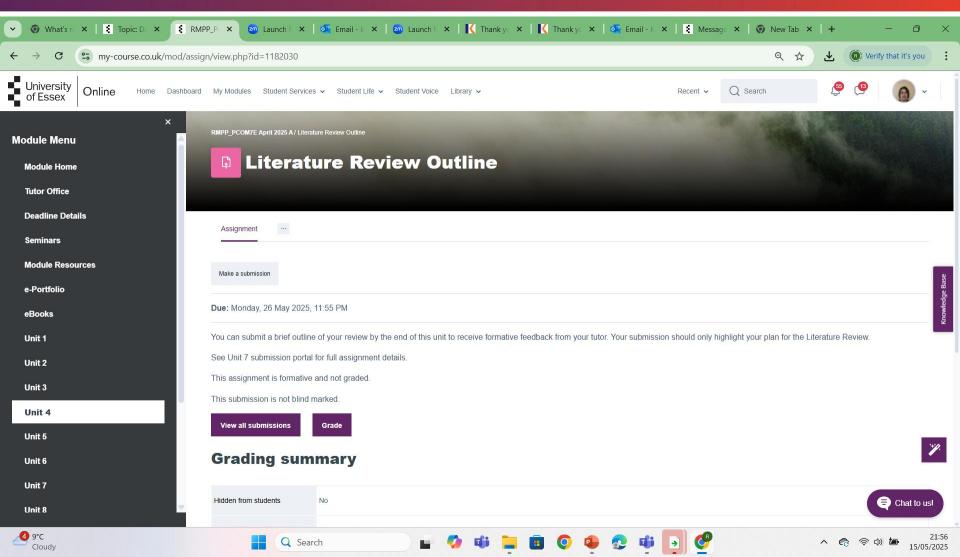
Data collection methods

- Case studies involve in-depth research and study of individuals or groups.
- 1:1 interviews tend to elicit specific research for a topic
- focus groups then are useful for a 'deeper dive' into research after initial investigation
- Surveys are a good method of gathering data which can be converted into Quantitative research.
- Quantitative observation refers observing numerical values.
- Qualitative observation refers to the monitoring of characteristics.
- Readings

Fuelcycle (2019) The Three Most Comon Observation Research Methods.



Unit 4: Week commencing: Please submit formative Literature Review





Unit 4: Week commencing : formative Literature Review

Submit a brief outline of your literature review via upload in Unit 4

- To provide an overview of current knowledge on the chosen topic.
- To demonstrate an awareness of relevant, current literature.
- To highlight similar and contrasting views on your chosen topic.
- To showcase your research and writing skills.
- Learning Outcomes
- Appraise the principles of academic investigation, applying them to a research topic in the applicable computing field.
- Evaluate critically existing literature, research design and methodology for the chosen topic, including data analysis processes.



Unit 4: Developing a Literature Review

An effective Literature Review incorporates:

- A focused approach to research
- The ability to identify cross-sectional research [for example: mixing the old with the new]
- Contemporary literature should come from publications ideally within the last 6 years and no older than 10-15yrs [maximum]
- Literature review must be based in deep research and not opinion
- You must be able to dissect your research and analyse and evaluate that research
- Remember that academic writing is grounded in debate and discussion, [looking at the pros and cons of discussion]
- Keep writing academic, concise, logical and focused, [don't indulge in wordy and emotive writing styles]
- Your writing should show a good and intrinsic knowledge of your subject



Unit 4: Week commencing: Developing a Literature Review

A Literature review should:

- Show clarity when looking at and answering the research problem
- Develop your research methodology
- Develop your existing knowledge of a topic
- Fully contextualise your research findings



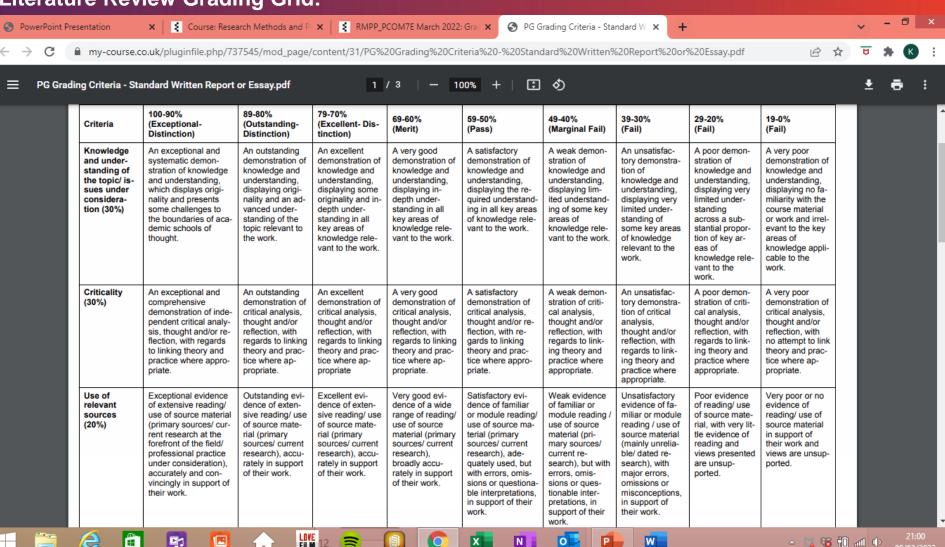
Unit 4: Week commencing: Developing a Literature Review: Academic conventions

- Please complete the Literature Review on a word document and consider academically appropriate professional presentation when completing this, for example:
- Putting your name, student number, where you are studying, the module your are studying on a title page and the unit you are responding to
- Use Arial font size 12
- Double line spacing
- Margin indentations should be approx. 2.5cm on either side
- Use regular citation
- Apply a list of references at the end of your Literature Review
- Ensure paragraphs are evenly weighted
- Ensure that syntax is academic and concise [use word count wisely]
- Take a critical approach to content [don't be overly descriptive or subjective in your opinion]
- Ensure that all research is paraphrased away from the original source consider Turnitin content matches



Literature Review Grading Grid:

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Literature Review Grading Grid:



Criteria	100-90% (Exceptional- Distinction)	89-80% (Outstanding- Distinction)	79-70% (Excellent- Dis- tinction)	69-60% (Merit)	59-50% (Pass)	49-40% (Marginal Fail)	39-30% (Fail)	29-20% (Fail)	19-0% (Fail)
Structure and Presen- tation (as detailed in the as- sessment guidance) (10%)	An exceptional struc- ture and faultless presentation. Work is of a profes- sional or publishable quality.	An outstanding structure and presentation, working towards a professional or publishable standard of work.	An excellent structure and presentation, which shows ele- ments of presen- tation and struc- ture at a profes- sional or publish- able standard.	A very good structure and presentation but may have some omissions against the guidelines.	A satisfactory structure and presentation that may not entirely follow the set guidelines.	Weakness in structure and presentation, that may not en- tirely follow the set guidelines.	Unsatisfactory structure and presentation that does not attempt to follow the set guidelines.	Poor structure and presentation that does not at- tempt to follow the set guide- lines.	Very poor or in- complete struc- ture and presen- tation that does not attempt to follow the set guidelines.
Academic integrity (10%)	An exceptional demonstration of academic writing, including correct use of academic convention, citation and/or referencing. Work shows academic integrity of a professional or publishable standard, fully conforming with institutional guidance.	An outstanding demonstration of academic writing, including correct use of academic convention, citation and/or referencing. Work shows an accurate attempt working towards a professional or publishable standard, with no errors of conforming with institutional guidance.	An excellent demonstration of academic writing, including correct use of academic conventions, citation and/or referencing. Work shows an accurate attempt, which shows elements of working towards a professional or publishable standard, with a very few errors of conforming with institutional guidance.	A very good demonstration of academic writing, including correct use of academic conventions, citation and/or referencing with only minor omissions. Work shows broadly accurate attempt, but with the odd weaknesses of conforming with institutional guidance.	A satisfactory demonstration of academic writing, including some correct use of academic conventions, citation and/or referencing. Work shows satisfactory attempt, but with some weaknesses of conforming with institutional guidance.	A weak demonstration of academic writing, including incorrect use of academic conventions, citation and/or referencing. Work shows some attempt, but with significant weaknesses of conforming with institutional guidance.	An unsatisfactory demonstration of academic writing, including incorrect use of academic conventions, citation and/or referencing. Work shows a largely weak attempt of conforming with institutional guidance.	A poor demonstration of academic writing, including incorrect use of academic conventions, citation and/or referencing. Work shows very little attempt of conforming with institutional guidance.	A very poor demonstration of academic writing, including absent and/or incorrect use of academic conventions, citation and referencing. Work shows no attempt of conforming with institutional guidance.

























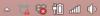
















Literature Review Grading Grid Overview:



Online

Post Graduate Grading Criteria for Standard Written Reports or Essays

Single-Point Rubric to describe full-mark expectations for each assessment criteria. Please note these expectations should be read along with (in the context of) the assessment task guidance.

Assessment Criteria	Description of Standard Expectation/Proficiency				
Knowledge and understanding of the topic/ issues under consideration (30%)	Does your work show comprehensive insight and understanding of the topic? Would it stimulate constructive dialogue, commentary, or a new understanding among the appropriate audience?				
Criticality (30%)	Have you clearly analysed and synthesised appropriate ideas/tasks/reading in this piece of work, creating a critically in-depth argument/discussion/analysis/evaluation of the topic?				
Use of relevant sources (20%)	Have you provided evidence of extensive reading on the topic(s) through the quality of references used (not just the number of references), showing how each one supports your work?				
Structure and Presentation (as detailed in the assessment guidance) (10%)	Your work should be well-structured with minimal errors in spelling, grammar and punctuation. The overall message should be clear.				
Academic integrity (10%)	Is there an accurate use of citations and references throughout this piece of work? Have you demonstrated the required integrity in your submission?				





























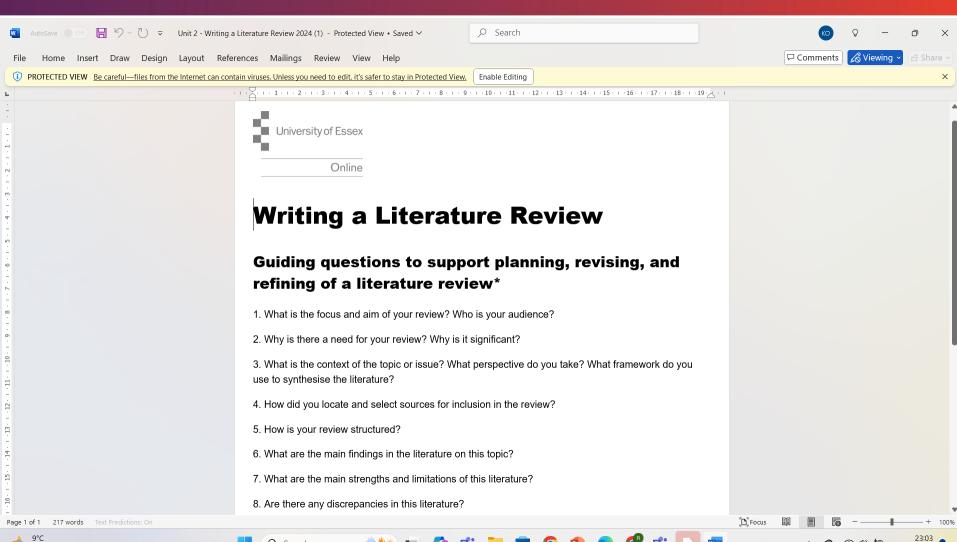








Unit 2: Research Questions, the Literature review Guide Questions:



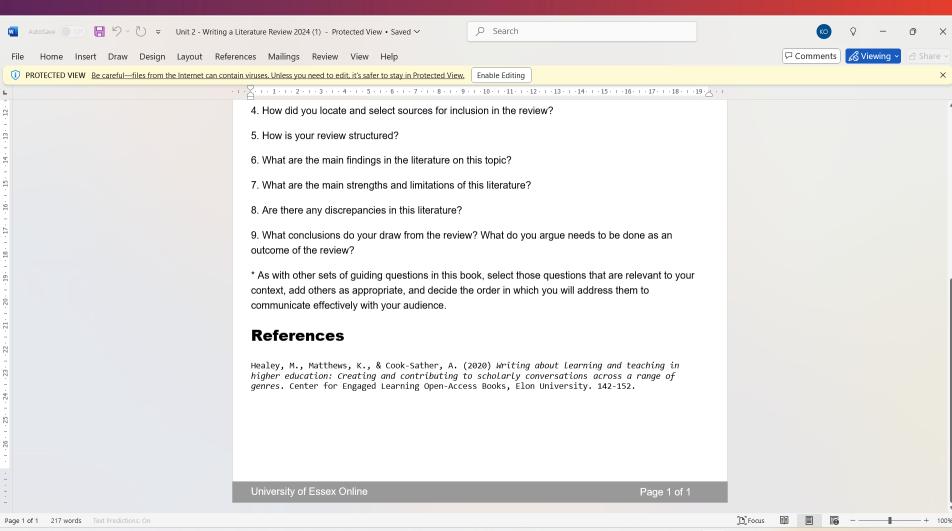


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Unit 2: Research Questions, the Literature review Guide Questions:

Q Search





List of references: Unit 3

British Research Methodology (BRM) (n.d.) Research Design.

Sage (2021) Sage Research Methods: Methods Map.

Saunders, M., Lewis, P. & Thornhill, A. (2012) Research Methods for Business Students 6th ed. Pearson Education Limited. QuestionPro (2021). What is research?

Essential Reading

Dawson, C. (2015) *Projects in Computing and Information Systems: A Student's Guide*. Harlow: Pearson. •Chapter 2 Section 2.3 p 26-27.

British Research Methodology (BRM). (2018) Research Design.

QuestionPro. (2021). What is research?

Sage (2021) Sage Research Methods: Methods Map.

Additional Reading

Saunders, M., Lewis, P. & Thornhill, A. (2012) *Research Methods for Business Students*. 6th ed. Pearson Education Limited. •Chapter 5 p 172-220.

QuestionPro (2021) Quantitiative research.



List of references: Unit 4

Essential Reading

Dawson, C. (2015) Projects in Computing and Information Systems: A Student's Guide. Harlow: Pearson.

- •Chapter 2 Section 2.4.2 p 28.
- •Chapter 2 Section 2.4.5 p 37-38.

Additional Reading

Farquhar J D. (2012) Case Study Research for Business. Sage •Chapters 1 to 7.

Abramson, C. & Sánchez-Jankowski, M. (2020) Conducting Comparative Participant Observation. in: Abramson, C. & Gong, N. (Eds) *Beyond the Case: The Logics and Practices of Comparative Ethnography*. Oxford Scholarship Online

Vanclay, F., Baines, J. & Taylor C. (2013) Principles for ethical research involving humans: ethical professional practice in impact assessment Part II. *Impact Assessment and Project Appraisal* 31(4): 243-253.

Sim, J. & Waterfield, J. (2019) Focus Group Methodology: Some Ethical Challenges. Quality and Quantity 53: 3003–3022.

Hayes, R, Kyer, B. & Weber, E. (2015) The Case Study Cookbook.

Devault, G. (2020) What is a Market Research Focus Group?

Fuelcycle (2019) The Three Most Comon Observation Research Methods.



Questions?

