

Assessment 2 – 10% Course total

Doppler imaging and optimisation

There are 2 aspects to this assignment:

1. Watching physics videos in module 1 and answering associated quizzes embedded in those videos
2. Uploading a short 5-minute presentation about a Doppler image.

The physics videos have short quizzes embedded – watch the video do the quiz – quick and easy.

The 5-minute presentation: we are cementing your skills and understanding of a **Doppler image**.

In the assessment folder there a series of scenarios with an ultrasound image attached. You will be allocated to a scenario.

You are to copy that image into a PowerPoint presentation and respond to the following tasks:

1. Given the scenario, **what is the likely anatomy you will be assessing?**
2. Given the anatomy and the image
 - a. What is the **probe** and **why** has this probe been selected?
 - b. **System pre sets** that will be utilised for this study
3. Consider the image
 - a. And explain in your presentation **how you could improve this image** –
 - b. Indicate if you can see any **image artefacts** and the benefit OR issue with that
4. Either of the following (if you are scanning in a vascular setting use a vascular image – if you are NOT, you can research an image from a book or journal article)
 - a. Take **your own image** – make sure you use Colour +/- spectral Doppler **and explain how you have optimised** the image
OR
 - b. Find an image from a UNI SA library textbook (make sure this is referenced) and explain how this might be better optimised.
 - i. If you take an image from a journal article, you must also include a fully optimised self-acquired

Submit your presentation with References!

Marking Rubric

Doppler and image optimisation Part A	FAIL	MEETS STANDARDS	EXCEEDS STANDARDS		
		Pass	Credit	Distinction	High Distinction
Module 1 Physics video and quizzes <i>Weighting - 15%</i>	Not view	Viewed but did not complete quiz			Completed
Presentation/Graphics <i>Weighting - 15%</i>	-No effort has been made on slide appearance. -No graphics or effects incorporated. -Limited information presented.	-Minimal effort has been made on slide appearance. -Slides are not easy to read. -The amount of text is too great for the space provided. -There is limited use of graphics or effects.	-Changes have been made on slide appearance. -Slides are easy to read. -The amount of text is too great for the space provided. -Less than half the slides have graphics or effects.	-Slides are attractive. -Text is easy to read. -More than half the slides use graphics and effects to enhance the presentation.	-Slides are attractive. -Text is easy to read. -Graphics and effects are used throughout to enhance the presentation.
Content <i>Weighting 50%</i>	- Slides do not contain relevant information. -Limited information provided. Limited or no evidence of an understanding of the Doppler modes or plan for assignment. - Approach to the presentation is unclear - A large amount of relevant information is missing - Limited or no research	- Some slides do not contain relevant information. Some parts of important information are missing or are incorrect. - Topics are addressed but not discussed or elaborated on. - Evidence of some understanding ultrasound terminology if applicable. - Displays limited understanding of the course material and key concepts.	Most of the relevant concepts have been identified. Some parts of important information are missing or incorrect. - Topics are discussed but more material is needed. - Evidence of satisfactory understanding of ultrasound terminology if applicable. - Displays consistent evidence of satisfactory understanding of the course material and key concepts.	All required slides are included. Most of the relevant concepts have been identified clearly. - Topics are discussed but more material is needed. - Evidence of comprehensive understanding of ultrasound terminology if applicable. - Displays consistent evidence of comprehensive understanding of the course material and key concepts.	All required slides are included with correct information. All relevant concepts have been identified. - Topics are discussed clearly and in an organised manner. - Consistent evidence of comprehensive understanding of ultrasound terminology if applicable. - Displays evidence of exceptional understanding of the course material and key concepts.

Grammar and Mechanics <i>Weighting - 10%</i>	• Presentation does not work or has not been compiled correctly. • No voice recording included on slides. • Multiple typographic, grammatical and punctuation errors throughout presentation.	• There are many mechanical errors throughout the presentation. • Voice recording not included on all slides. • Many typographic, grammatical and punctuation errors throughout presentation.	• There are no mechanical errors throughout the presentation. • -Voice recording included on all slides. • Some typographic, grammatical and punctuation errors throughout presentation.	• There are no mechanical errors throughout the presentation. • Voice recording included on all slides. • Limited typographic, grammatical and punctuation errors throughout presentation.	• There are no mechanical errors throughout the presentation. • Voice recording included on all slides. • There are no typographic, grammatical and punctuation errors throughout presentation.
Academic Integrity <i>This assessment will be heavily weighted to Part B of the assignment pages. Students are encouraged to use Part A to comprehend referencing styles.</i> <i>Weighting 10%</i> Note: if the student fails this category, then the overall mark is a fail.	• No evidence or little evidence of citation of literature. • Literature if cited is limited in number and incomplete. • No evidence of paraphrasing. • Inconsistent referencing.	• Literature cited and complete with a variety of credible, peer-reviewed scholarly sources. • Appropriate referencing style as advised. • Some integration of sources to cover key concepts which is primarily summarised in a descriptive manner.	• Literature cited and complete with a variety of relevant credible, peer-reviewed and scholarly resources • Appropriate referencing style as advised. • Sources demonstrate good integration from the various sources used to cover key concepts with some analysis.	• Literature cited and complete with a variety of relevant peer-reviewed and scholarly resources • Appropriate referencing style as advised. • Sources are integrated and analysed well in the content to cover key concepts.	• Literature cited and complete with a variety of relevant, unique peer reviewed and scholarly resources. • Appropriate referencing style as advised. • Sources are integrated exceptionally well in the content to cover a comprehensive and succinct analysis of key concepts.