

# Providing multiple means of representation for physiology students through Moodle lessons

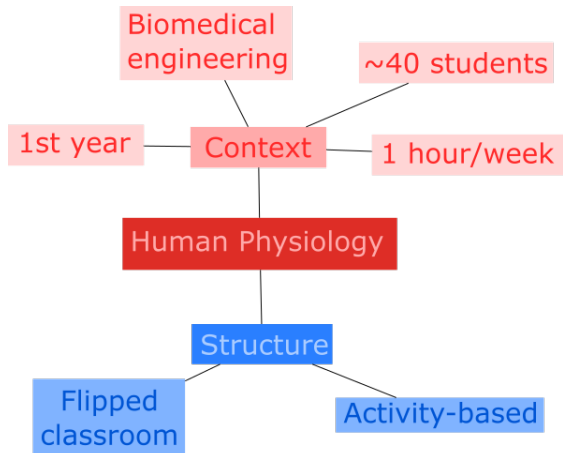
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# Some information on the module



# Students complete a Moodle lesson before class

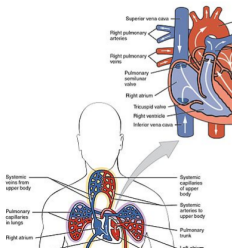
## Location and anatomy of the heart

### Chambers of the heart

The heart has four chambers. There are two superior (upper) chambers called the **left atrium** and **right atrium**. These chambers receive blood into the heart. The two inferior (bottom) chambers are pumping chambers and are called the **left ventricle** and **right ventricle**.

The right atrium receives blood from three veins: the **superior vena cava**, **inferior vena cava**, and the **coronary sinus**. Blood passes from the right atrium into the right ventricle through a valve called the **tricuspid valve** (or **right atrioventricular valve**). The right ventricle is separated from the left ventricle by a wall known as the **interventricular septum**. The right ventricle pumps blood through the **pulmonary valve** into a large artery called the **pulmonary trunk**. The pulmonary trunk divides into the **left and right pulmonary arteries**, which take blood to the lungs.

The left atrium receives blood from the lungs through **four pulmonary veins**. Blood passes from the left atrium into the left ventricle through the **bicuspid valve** (or **left atrioventricular valve**). The left ventricle pumps blood



Read some content ...

... and then answer some questions on content

## Location and anatomy of the heart

Veins carry blood towards the heart.

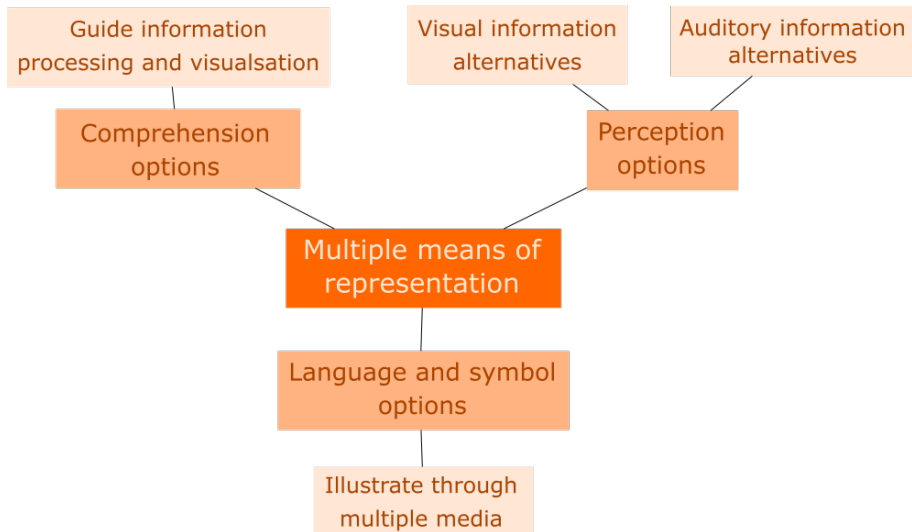
True  False

Submit

You have completed 15% of the lesson

15%

# Offered students a choice between reading or watching



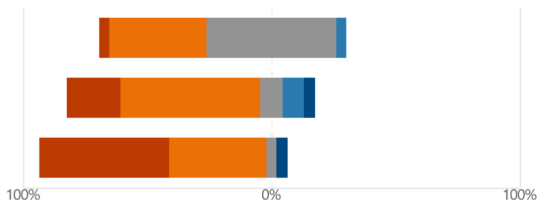
# Most like reading but most also like having the choice

■ Strongly agree  
 ■ Agree  
 ■ Neutral  
 ■ Disagree  
 ■ Strongly disagree

I prefer reading text about a topic over watching a video about it

I would watch a video on a topic if it was less than 10 minutes long

I like having a choice of how to get content on a topic



**Rank Options**

- 1 Reading about it
- 2 Watching a video
- 3 Listening to audio

First choice ■ ■ ■ Last choice



# Some like reading and watching

I'd like to do both! Videos are very instructive and I really liked to learn from them, but sometimes I feel that I lose some information because of my English, so have the subject summarised is very useful!

For me personally i have to read the text to able to remember it

If I'm listening to a video I find I get distracted easily so if I read the topic I will take in all the info

I find it easier to read as i get a better understanding of the topic

It is easier when you have someone showing a picture and explain actually what is happening! And when you are reading maybe you won't actually see and understand what is actually happening. But I think is good reading about the topic and then watch a video. Because then you go to watch the video you a notion of words and the topic. Just a summary of what you already read.

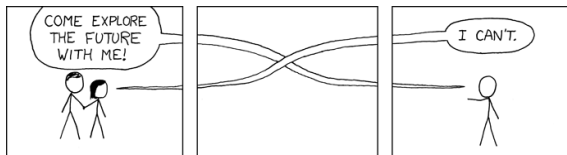
videos are a lot better than slides thank you

It's great to have both text for me is important in terms of learning the info and the video is good because it helps me in my understanding of the topic.

those videos you made were very helpful and descriptive thank you

I did both read and watched the videos as I learn by reading something but I completely understand by watching a video

# Conclusions and future work



Students like having a choice when engaging

Small but consistent number view the videos

Need to embed multiple means of engagement for semester 1 topics

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