ACTIVE STUDY ?

Active study means that you are processing new material or reviewing what you already understand in a meaningful, and purposeful way.

- A good way to ensure that you are engaged in active study is to **produce a new product**, or to **share your learning** with someone .
- Here are some suggested learning and study activities for you to try.
- If you use these activities, you should experience **improved focus**, **increased concentration, better retention** and **deeper understanding** of the material.





Write about it:

- ⇒ In your own words, write out the thesis or main point(s) of the reading you just read
- ⇒ Take the formula apart and write it in words
- ⇒ List the pros and cons of 2 or 3 approaches/theories/models
- ⇒ Write out the steps to solving a particular type of problem
- ⇒ After reading an article, reflect on how it connects to what you know so far. Write your thoughts down
- ⇒ Take apart an essay question by making a 'to do' list of what you have to do/know to answer the question
- ⇒ List the authors of readings and their key concepts or themes
- ⇒ Make cue cards of new terminology including examples
- ⇒ After studying for an hour or so, write down what you have learned, and what you still need to work on

more *act*ivities ...

Talk about it:

- \Rightarrow Explain how it works to someone
- ⇒ Tell a friend why you find this topic so interesting
- \Rightarrow Teach the material to someone
- \Rightarrow Discuss the material in a study group
- $\Rightarrow \quad \mbox{Reread your notes, then retell them out} \\ \mbox{loud to yourself}$
- ⇒ Show someone how to solve the problem. Explain as you go through the steps.
- ⇒ Talk through the material as if you were giving a presentation
- ⇒ Get together with a classmate and talk over/compare lecture notes

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And more....

Summarize it:

- ⇒ After reading a section of a text
 book, and underlining key info,
 write brief notes in your own words
- ⇒ Using the lecture slides, list all the key words, then write a lecture summary
- ⇒ Using your notes, create an outline of main ideas and essential details
- ⇒ After looking over a solved problem from your text book, write out the procedure/steps, linked to the formula, in your own words
- \Rightarrow Reduce a chapter to a 'cheat sheet'
- ⇒ Using your lecture notes, create an outline on the topic, then link ideas to your readings
- ⇒ In your own words, write the main points or arguments from a reading

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Draw it out:

- $\Rightarrow \quad \text{Link concepts to parts of a proce-} \\ \text{dure or equation} \qquad \bigcirc$
- ⇒ Make a mind map using the key vocabulary on a topic
- ⇒ Draw a graph illustrating the concept
- \Rightarrow Create a flow chart for a process
- \Rightarrow Draw a diagram and label it
- ⇒ Draw parallel timelines for cause (events) and effect
- $\Rightarrow \qquad \mathsf{Make a concept map of a} \\ \text{theory or model} \\$
- ⇒ Think about the big picture. Where does this idea belong? Draw it out
- ⇒ Before reading the chapter, preview it. Make a 'map' of its contents/parts
- ⇒ Make a timeline of the evolution of an idea, theory or concept
- ⇒ Make a matrix of key terms/ themes/concepts and their characteristics and functions



Test yourself:

- \Rightarrow Make multiple choice questions
- ⇒ From memory, create an outline on a topic using info from lecture notes, linked to readings
- $\Rightarrow \qquad \text{After reading, try the questions at} \\ \text{the end of the chapter}$
- $\Rightarrow \qquad \mbox{Write out the procedure or steps} \\ from memory \qquad \mbox{ from memory} \qquad \label{eq:constraint}$
- ⇒ Take cue cards from the whole course, shuffle them, and sort them into themes, topics, processes, etc.
- \Rightarrow Make a concept map from memory
- ⇒ From memory, recreate a diagram and label it
- \Rightarrow Do practice questions
- ⇒ Work out the problem step by step without referring to your notes or solutions



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