

Food and Water Security Course Module 2: Water Security

Module 2 Overview Video Transcript

Hi everyone and welcome to Module 2. In this week's module we will begin by looking at the hydrological Cycle which will prepare you for understanding some of the core concepts of water security and how that affects food security. You are going to Read an overview while looking at an image of the water cycle and then watch 3 videos on the watch cycle. We will discover how water flows, where it goes, and how it is used for agriculture. Some water is lost, and some is reserved for future use, so we look at how climate change is affecting the supply of water for agriculture and food production. There is also one extra video which you may choose to watch if you wish. I have also set up a resources forum that allows you to share your own resources with the rest of your colleagues. By now you have probably seen this Resource Form and may have even added some of your own links and readings. I invite you to contribute at any time. Next you will take a quiz that is based on the three videos that you have just watched.

I will then present a mini lecture on the topic of Water security and the importance of water to agriculture and food production. We then delve a bit deeper in agriculture here in the Okanagan where Management of Water Systems is studied by the BC Climate Action Initiative. This mini lecture can be watched while reading the following PDF that addressed drought and flooding. One of the topics that we will discuss in this week's discussion will be based on the minilecture and reading of climate change and adaptation in the Okanagan. As always, you will provide one Substantive question based on this learning block and then answer two questions that have been posed by your colleagues.

In the next learning block, I present an example of a collaborative model of revitalization and adaptation to climate change and which serves to provide food security for Indigenous Peoples through fish, one of the First Foods that Dawn Morrison discussed in Module One. This case study is a perfect example of Indigenous Food Sovereignty in action.

And finally, you will be asked to submit your weekly reflections to me via Canvas. Your reflections can address how this topic impacts you personally, your analysis of the theories that have been introduced, and core concepts and ideas that I have presented in this module or any other ideas that you intend to address for your future learning goals. Your reflections are open ended and unstructured, but a question is posted to guide you in your personal reflections.

Next to each activity in the Course Calendar, you will notice a time allotment for each activity. This is a suggestion for minimum time spent on each activity and does not mean that you cannot delve deeper into each topic or activity and certainly if you wish to spend more time on each area of learning, you are welcome to do so as this course is intended to guide you in your personal goals for learning.

I would like to remind you that I am available at any time to address any questions you may have about this course via Canvas email. I also have office hours on Zoom each Friday from noon to 1:00 pm and if that is not convenient, we can also arrange to speak over Zoom. I look forward



to this second module of weekly activities and to your responses in the participatory activities.
Let's get started.



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