**Learning Activities Worksheet**

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| **LEARNING ACTIVITY**  ***Check the activities that you plan to use in your course.*** | **TOOL**  ***Which tool seems best suited to support the learning activity for you/your course context?*** | ***PRACTICAL CONSIDERATIONS:***  ***What skills will be needed in order to use the tool for the learning activity?***  ***How long will it take you to use the tool? How much time will students need in order to use the tool successfully?*** | **QUESTIONS**  ***What pedagogy and/or***  ***IT-related questions do you have?*** |
| **X Lecture** | Panopto for video and recording. [Jupyter Notebooks](https://jupyter.org/) and [ArcGIS Notebooks](https://www.esri.com/arcgis-blog/products/arcgis-enterprise/analytics/introducing-arcgis-notebooks/) are my lecture tools. I think this semester I’ll move primarily to ArcGIS Notebooks. | Jupyter Notebooks and ArcGIS notebooks are tools that I know very well as a GIS professional and Python developer. Won’t take me any time to get familiar. They are very convenient for me and the students. | Not really. I’m excited to put the tools to use! |
| **X Discussion** | Blackboard or [Slack](https://slack.com/). I used to use Slack but found it’s use to be at best sporadic. | Not long. The chat tools have been pretty easy to introduce to my students. | Honestly, I don’t really have a question. I’ve found it easy to get students involved in-class. However, when teaching online or between class periods, it’s been a challenge to get them collaborating. |
| **X Collaboration** | [ArcGIS Online](https://www.arcgis.com/index.html) | I’m going to try to use ArcGIS Online to share maps and notebooks (i.e. Python code) more. | None. |
| * **Reflection** |  |  |  |
| **X Exams & Quizzes** | Jupyter Notebooks or ArcGIS Notebooks with submission via ArcGIS Online and Blackboard. | I have some template Notebooks that I use for creating assignments and grading assignments. | None. |
| **X Presentations** | I’m moving to Slides in Jupyter. I am hoping students will use Jupyter or ArcGIS Notebooks for presentations, however, I will likely allow PowerPoint. | I have some work to do to update some lectures and presentations, but I know the tools really well. | None. |
| **X Assignments** | Blackboard, Jupyter Notebooks, and ArcGIS Notebooks | Again, I am going to leverage Jupyter and ArcGIS a lot this semester because not only are they convenient, but they are the most relevant. | None. |