until at least the last three weeks of the semester or summer session. Negligence or indi er-
ence are not acceptable reasons for an I grade. Normally, a student will initiate a request for an
incomplete.

## 6   Course schedule

T e course will proceed by weekly topics. Tuesdays will be focused on direct instruction and
workshop-style learning, T ursdays will be reserved for lab led by your TA. the following course
schedule is preliminary.

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|---|---|---|---|
| 1 | Aug 27-29 | What is GIS? First contact with ArcGIS Pro | |
| 2 | Sep 3-5 | Basic geodesy, GPS, and measuring things: location, distance, area, depth, time | |
| 3 | Sep 10-12 | Coordinate systems and projections | Q iz 1 due Tue 2 pm |
| 4 | Sep 17-19 | Data and file formats for feature collections | Q iz 2 due Tue 2 pm |
| 5 | Sep 24-26 | Analyzing at ribute data | Q iz 3 due Tue 2 pm |
| 6 | Oct 1-4 | Creating and editing vector GIS data | Q iz 4 due Tue 2 pm |
| 7 | Oct 8-10 | Containers and databases for vectors and rasters | Q iz 5 due Tue 2 pm |
| 8 | Oct 15-17 | Mid-term sample exams | Mid-term exam during lab & Q iz 6 due Tue 2 pm |
| 9 | Oct 22-24 | Digital elevation models | Q iz 7 due Tue 2 pm |
| 10 | Oct 29-31 | Georeferencing rasters | Q iz 8 due Tue 2 pm |
| 11 | Nov 5-7 | Supervised classification | Q iz 9 due Tue 2 pm |
| 12 | Nov 12-14 | Geospatial analysis and spatial joins | Q iz 10 due Tue 2 pm |
| 13 | Nov 19-21 | Map layouts and cartography | Q iz 11 due Tue 2 pm |
| 14 | Nov 26 | Finals preparation | NO LAB (T anksgiving) |
| 15 | Dec 3-5 | Wrap-up | Finals during lab & Q iz 12 due Tue 2 pm |

## 7   Course policies

- Lecture notes and lab assignments for each week will be posted online via Blackboard.
- Please let the instructor know as early as possible if you cannot at end a lab. Students
  assigned to either section are free to at end the other section's time slot for catch-up and
  practice, within the limit of available seats.
- T e computer lab room, O'Neill 359 (overflow lab O'Neill 330), is at your disposal for prac-
  tice between 9 am and 4:30 pm, except when occupied by other classes.
- Please note that the UAF academic misconduct policy regarding plagiarism, cheating,
  falsification and tampering does, of course, apply. See https://uaf.edu/csrr/
  student-conduct/academic-misconduct.php .

## 8   Course materials

T is course does not use a set textbook. Occasional readings will be assigned in the course of the class. Finding and using sof ware documentation online is part of the skills students are expected to practice during labs and study.

T e course makes intense use of GIS sof ware installed in the SNRE computer lab (O'Neill 359 and 330). T e principal sof ware we will use is ESRI ArcGIS Pro (version 2.4). ESRI provides temporary student licenses for home use by students. However, key learning objectives are largely independent of the particular sof ware package used, and ArcGIS Pro is a resource-hungry application and requires a recent, powerful Windows workstation. If students wish to install GIS sof ware on their personal computers, the following options exist:

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