# Course Outline for ASTR 255 Winter 2022-2023

#### Instructor

• Ruobing Dong / rbdong@uvic.ca

• Office: Elliott 205

• Office hours: by appointment

#### TA

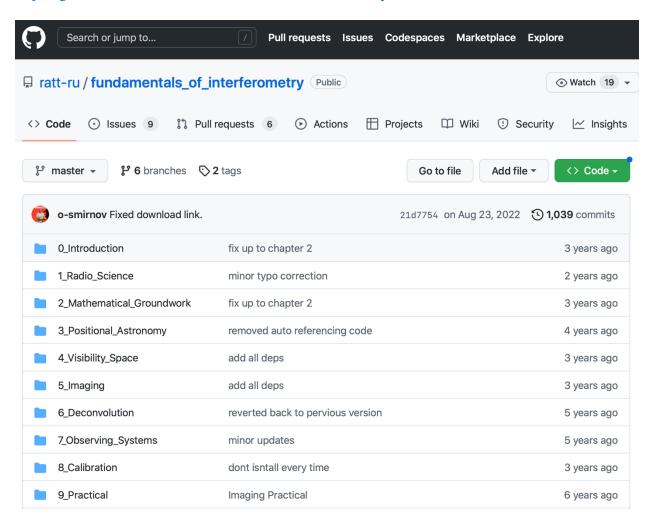
TBD

Office: TBD

• Office hours: TBD

### **Textbook**

Fundamentals of Radio Interferometry for Aperture Synthesis <a href="https://github.com/ratt-ru/fundamentals">https://github.com/ratt-ru/fundamentals</a> of interferometry



In this course, we will cover the basics in radio interferometric observations

0_Introduction
1_Radio_Science
2_Mathematical_Groundwork
3_Positional_Astronomy
4_Visibility_Space
5_Imaging
6_Deconvolution
7_Observing_Systems
8_Calibration
9_Practical

## Evaluations

- Homework: 50%
- Final presentation: 50% (oral presentation)
- Grading will be done according to the university policy