

# Algebraic Geometry 2<sup>1/2</sup> supplementary worksheet 8

## Sheaves of modules, part 1

### Critical Hartshorne problems

- (short term) 5.1 (strategy: construct maps, check isomorphisms via stalks), 5.5, 5.7, **5.16, 5.17, 5.18**
- (longer term) 5.6, 5.8, 5.15

Problems 5.16, 5.17 and 5.18 are extremely important and fundamental. Plan to take some time to think about these and work through them, either this week or later on!