1 Introduction

Let X be the spectrum of some ring. For all $f \in R$, this function can be regarded as a map

$$f : \operatorname{Spec} R \to \bigcup_{p \in \operatorname{Spec} R} R / \mathfrak{p},$$

where that is hte disjoint union. Unfortunately I will not be able to understand this lecture... the Zariski Topology has already been defined. Though this isn't to hard to gather if you just use Atiyah-MacDonald's definition.