Reading assignments in [Vakil]

- by Thursday 20 October: §7.1–7.3
- by Tuesday 25 October: §8.1
- by Thursday 27 October: §8.2
- by Tuesday 1 November: §8.3

Exercises: In [Vakil], exercises have labels C.S.N, for “Chapter C, Section S, Exercise N”, where C, S ∈ \mathbb{Z}_+ and N ∈ \mathbb{A}, \ldots, \mathbb{Z}. It is not expected that everyone will complete all of the assigned exercises, but those marked “essential” are essential.

6.3.C
6.3.I
6.3.J (a)
   (b) [essential]
6.3.L (a)
   (b) [essential]
6.3.M (a)
   (b)
6.4.B
6.4.C [essential]
6.4.F [essential; there are easier, more direct ways to do this than resorting to 6.4.E]
6.5.C
6.5.D [essential]
6.5.E
6.5.H
6.5.J
6.5.K [essential]
1.3.P [essential]

1.3.T

**Non-book Exercise**

1. Show that a rational map $X \to Y$ from an integral scheme $X$ is the same as a $K(X)$-valued point of $Y$.

**References**