

Agricultural Water Management Engineering

Final exam questions – 2022 spring

1. What are the expected effects of climate change for agricultural production?
2. How does agricultural production and land cover change influence the hydrographs of river basins?
3. What are the main drivers of eutrophication and what measures are available to prevent it?
4. How do soil properties influence the hydrological characteristics of soils?
5. What methods are available to reduce soil erosion influenced by agriculture?
6. What methods are available for drainage?
7. What are the typical challenges of wetland management?
8. What are the typical contaminants of surface and groundwater bodies and what are their typical sources?
9. What are the current and expected future challenges of drought management?
10. What are the main types of irrigation systems and what are their advantages/disadvantages?
11. How can we determine irrigation water demand?