

Course Name:

Design of natural systems for wastewater treatment

Course Number:

20894

Credit:

3

Course Content (outline):

- The importance of natural systems in wastewater treatment
- Slow rate land treatment systems
- Rapid-infiltration land treatment
- Overflow system
- Stabilization ponds
- Floating aquatic plant water treatment system
- Constructed wetland systems
- Small systems and absorbing wells
- Designing for improving the runoff quality
- Economic, technical and health aspects in natural systems selection

References:

Crites, Ronald W., E. Joe Middlebrooks, and Robert K. Bastian. Natural wastewater treatment systems. CRC Press, 2014.