



**MASTER OF AGROECOTEHNOLOGY
FACULTY OF AGRICULTURE
UNIVERSITY OF BENGKULU**

COURSE SYLLABUS

AGT-522: WETLAND CROP PRODUCTION TECHNOLOGY

Type of course : Compulsory

Credit unit : 2

Semester offered : 2

Course description

Discuss the optimization of wetlands to gain maximum and sustainable crop productivity

Learning outcome

Able to analyze and synthesize crop production factors on wetlands along with the implications of production technology uses to maximize crop productivity in a sustainable manner.

Course content

1. Wetland characteristics and distribution
2. Factors limiting crop productivity in wetland
3. Crops suitability for wetland agroecosystem
4. Wetland crop production system and technology

References

1. Mitsch, W. J., Gosselink, J. G., Zhang, L., & Anderson, C. J. (2009). Wetland ecosystems. John Wiley & Sons.
2. Notohadiprawiro, T. & Utamni, S.N.H. (2022). Pengembangan lahan basah rawa & gambut: Masalah & Mudarat. Lily Publisher.
3. Salampak, D. (2019). Peningkatan produktivitas tanah gambut yang disawahkan. Animage.
4. Verhoeven, J. T., & Setter, T. L. (2010). Agricultural use of wetlands: opportunities and limitations. *Annals of botany*, 105(1), 155-163.