



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

## **COURSE SYLLABUS**

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### **AGT-522: WETLAND CROP PRODUCTION TECHNOLOGY**

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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.