

MX0146- Sustainable food production - challenges and cropping system solutions

L= lecture, E= exercise: compulsory participation (attendance or replacement assignment)

All elements planned as online teaching in Zoom

Date	Time	Title	Teacher	Type
19 Jan	17.15–20.00	Course Introduction Introduction to sustainable cropping systems: why are they important?	Robert Glinwood Pernilla Tidåker	L
26 Jan	17.15–20.00	Major food crops and their sustainability challenges	Göran Bergkvist	L
2 Feb	17.1 –20.00	Workshop- Major food crops and their sustainability challenges	Göran Bergkvist	E
9 Feb	17.15–20.00	Introduction to Life cycle assessment Introduction to project work	Pernilla Tidåker Robert Glinwood	L
16 Feb	17.15–20.00	Plant-based protein production systems	Marcos Lana Ida Karlsson	L
23 Feb		Independent work		I
2 Mar	17.15–20.00	Workshop - Plant-based protein production	Marcos Lana Ida Karlsson	E
9 Mar	17.15–20.00	Plant nutrient management for efficient crop production and reduced environmental impact	Helena Aronsson	L
16 Mar	17.15–20.00	Workshop - Plant nutrient management	Helena Aronsson	E
23 Mar	17.15–20.00	Integrated pest management - insects, diseases and weeds	Diana Rubene Ida Karlsson Anneli Lundkvist	L
30 Mar		Independent work		I
6 Apr	17.15–20.00	Workshop - Integrated pest management	Robert Glinwood	E
13 Apr	17.15–20.00	Organic production	Göran Bergkvist	L
20 Apr	17.15–20.00	Workshop - organic production	Göran Bergkvist	E
27 Apr	17.15–20.00	Climate change and cropping systems: the two way interactions	Johan Karlsson Marcos Lana	L
4 May	17.15–20.00	Workshop - Climate change and cropping systems	Johan Karlsson Marcos Lana	E
11 May	17.15–20.00	Global perspectives on challenges to agricultural sustainability	Marcos Lana	L
18 May	17.15–20.00	Workshop - Global perspectives	Marcos Lana	E
25 May	17.15–20.00	Project presentation	Robert Glinwood Diana Rubene	E
1 Jun	17.15–20.00	Project presentation, conclusions and evaluation	Robert Glinwood Diana Rubene	E