

# **FSS333 Future of Food and Agriculture**

**Level:** 3

**Credit Units:** 5 Credit Units

**Language:** ENGLISH

**Presentation Pattern:** EVERY JULY

## **Synopsis:**

FSS333 Future of Food and Agriculture introduces the students to the changing notion of food and how we grow and eat it. This paradigm shift in agriculture is driven by the need to feed a growing population whilst tackling the issue of environmental degradation. Increasing food production is just one part of the solution; this course highlights the need to consider other factors such as the provision of nutritional food for the population. Research and scientific development in this area have resulted in numerous innovations, leading to a food and agriculture revolution. With food production being rapidly transformed, there is a need to assimilate these changes within the social and economy-wide context. This course aims to educate students on the challenges relating to food and agriculture with the objective of not just producing more food, but also of considering strategies for optimal food quality and food production systems.

## **Topics:**

- Diversity of food production systems
- Environmental impact of food production systems
- Global food production and consumption
- Community needs assessment
- Designing agri-food policies
- Agricultural investment
- Agriculture engineering
- Climate smart production system
- Future of farming
- Urban farming
- Trends and challenges in food production
- Boosting production and resilience

## **Textbooks:**

PSS333 Study Guide (UDC - SUSS) SUSS  
ISBN-13: SG-1947

**Learning Outcome:**

- Compare food production systems
- Appraise access to safe food
- Analyse the use of technology in food production systems
- Examine agri-food policies
- Implement community needs assessment
- Illustrate environmental impact on food production
- Discuss development in food and agriculture

**Assessment Strategies - Regular Semester (Evening Class):**

<b>Components</b>	<b>Description</b>	<b>Weightage Allocation (%)</b>
Overall Continuous Assessment	PRE-CLASS QUIZ 1	5
	TUTOR-MARKED ASSIGNMENT 1	15
	GROUP BASED ASSIGNMENT 1	20
	PARTICIPATION 1	10
Overall Examinable Components	ECA	50
<b>Total</b>		<b>100</b>

\*The information listed is subject to review and change.