

## **BSHND 213: FOOD SAFETY AND QUALITY MANAGEMENT**

### **Course Learning Outcomes:**

- To understand principles lying under safety and quality of foods to ensure their safe production
- To implement the food safety and quality management systems in a food business in a precise and systematic way

### **Content Theory:**

1. **Food safety, security and quality:**
  - Definitions and importance;
  - Different terminologies used in food safety & quality;
2. **Categories of hazards:**
  - Physical, chemical, biological.
  - Good manufacturing practices;
  - Good storage practices;
  - Plant design layout;
  - Global Food Safety Initiative;
3. **Global Food Safety Systems:**
  - HACCP, BRC, FSSC 22000, ISO 22000;
  - Quality Management System (ISO 9001:2008);
4. **Food safety laws in Pakistan**
  - West Pakistan Pure Foods Ordinance 1960,
  - Cantonments Pure Food Ordinance Act 1966,
  - West Pakistan Pure Food Rules 1965,
  - The Punjab Pure Food Rules 2007 & 2011.

### **Teaching-Learning Strategies:**

Teaching will be a combination of class lectures, class discussions, and group work. Short videos/films will be shown on occasion.

### **Assignments:**

The sessional work will be a combination of written assignments, class quizzes, presentation, and class participation/attendance.

### **Assessments and Examination:**

Sessional Work: 25 marks

Midterm Exam: 35 marks

Final Exam: 40 marks

## **Recommended Readings:**

1. Ali, I. (2003). Food Quality Assurance: Principles and Practices. CRC Press, Taylor & Francis Group, Boca Raton, FL, USA.
2. David, A.S. & Norah, F.S. (1998). Principles and Practices for the Safe Processing of Foods. Woodhead Publishing Limited, Cambridge, England.
3. Early, R. (1995). Guide to Quality Management Systems for the Food Industry. Springer Science + Business Media, LLC., New York, USA.
4. Motarjemi, Y. & Lelieveld, H. (2014). Food Safety Management: A Practical Guide for the Food Industry. Academic Press, Elsevier Inc., San Diego, CA, USA.
5. Sun, D. (2012). Handbook of Food Safety Engineering. Wiley-Blackwell, John Wiley & Sons Ltd., Chichester, West Sussex, UK.
6. Theuvsen, L., Spiller, A. Peupert, M. & Jahn, G. (2007). Quality Management in Food Chains. Wageningen Academic Publishers, The Netherlands.

