Lecture No	Course Contents
1	Environment, Climate Change and Food Security
2	Food Security Concept
3	Inter-relationship between Environment and Food Production
4	Role of Climate Change in Aquaculture
5	Impact of Aquaculture on Food Security
6	Environmental Interaction
7	The Prospect and Sustainability of Food Security in Pakistan

Course Contents of Aquaculture Food Security

Links and Refrences	Link Description
Food Security and Climate Change (PDF) Pg 8-27	Climate Variability, Effect of Global Warming on Climate Change, Food Security and Climate Change
EC - FAO Food Security Programme www.foodsec.org (PDF) Pg 1, 3	Types of Food Insecurity, Poverty, Hunger and Malnutrition
Inter-relationship between Environment and Food Production(PDF)	Introduction, Urbanization, Population Growth and Technological Changes
Cochrane, K., De Young, C., Soto, D., & Bahri, T. (2009). Climate change implications for fisheries and aquaculture. *FAO Fisheries and aquaculture technical paper*, *530*, 212. (PDF)	Aquaculture Production, Climatic Distribution of Production, Value of Aquaculture Product, Growth trend in Aquaculture
Kassam, L. (2014). *Aquaculture and food security, poverty alleviation and nutrition in Ghana: Case study prepared for the Aquaculture for Food Security, Poverty Alleviation and Nutrition project*. WorldFish (PDF)	Indirect impact on Food Security
Lu, Y., Song, S., Wang, R., Liu, Z., Meng, J., Sweetman, A. J., ... & Wang, T. (2015). Impacts of soil and water pollution on food safety and health risks in China. *Environment international*, *77*, 5-15 (PDF)	Effect of Soil and Water Pollution on Food Safety and Health Risk
https://www.researchgate.net/publication/254441702	State of Food Security in Pakistan, Future Challenges and Coping Strategies