

## NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Agriculture - NOC:Thermal Operations in Food Process Engineering: Theory and Application

Subject Co-ordinator - Prof. Tridib Kumar Goswami

Co-ordinating Institute - IIT - Kharagpur

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 1 - Fundamentals of Food Processing and Preservation  
Lecture 2 - Fundamentals of Food Processing and Preservation (Continued...)  
Lecture 3 - Preservation Techniques  
Lecture 4 - Fundamentals of Food Processing and Preservation (Continued...)  
Lecture 5 - Fundamentals of Food Processing and Preservation (Continued...)  
Lecture 6 - Fundamentals of Food Processing and Preservation why and how do food spoil  
Lecture 7 - One Dimensional Conduction Heat Transfer in Cartesian Coordinate  
Lecture 8 - One Dimensional Conduction Heat Transfer in Cartesian Coordinate (Continued...)  
Lecture 9 - One Dimensional Steady State Heat Conduction  
Lecture 10 - One Dimensional Steady State Heat Conduction (Continued...)  
Lecture 11 - One Dimensional Heat Transfer Through Cylinders  
Lecture 12 - One Dimensional Heat Transfer Through Cylinders (Continued...)  
Lecture 13 - One Dimensional Heat Transfer Through Cylinders (Continued...)  
Lecture 14 - One Dimensional Heat Transfer  
Lecture 15 - Thermal Resistance  
Lecture 16 - Thermal contact Resistance and Finned Surface  
Lecture 17 - Finned Surface  
Lecture 18 - Finned Surface (Continued...)  
Lecture 19 - Finned Surface (Continued...)  
Lecture 20 - Heat Transfer in Finned Surfaces  
Lecture 21 - Transient Heat Transfer  
Lecture 22 - Transient Heat Transfer (Continued...)  
Lecture 23 - Transient Heat Transfer (Continued...)  
Lecture 24 - Transient Heat Transfer (Continued...)  
Lecture 25 - Heister Chart  
Lecture 26 - Heister Chart (Continued...)  
Lecture 27 - Heat Transfer by Convection  
Lecture 28 - Heat Transfer by Convection(Continued...)  
Lecture 29 - Heat Transfer by Convection(Continued...)

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Lecture 30 - Heat Transfer by Convection(Continued...)  
Lecture 31 - Heat Transfer by Convection(Continued...)  
Lecture 32 - Heat Transfer by Convection(Continued...)  
Lecture 33 - Heat Transfer by Convection(Continued...)  
Lecture 34 - Heat Transfer by Radiation  
Lecture 35 - Heat Transfer by Radiation (Continued...)  
Lecture 36 - Heat Transfer by Convection (Continued...)  
Lecture 37 - Heat Transfer by Radiation (Continued...)  
Lecture 38 - Heat Transfer by Radiation (Continued...)  
Lecture 39 - Boiling and Condensation  
Lecture 40 - Boiling (Continued...)  
Lecture 41 - Condensation  
Lecture 42 - Condensation (Continued...)  
Lecture 43 - Heat Exchangers  
Lecture 44 - Heat Exchangers (Continued...)  
Lecture 45 - Heat Exchangers (Continued...)  
Lecture 46 - Heat Exchangers (Continued...)  
Lecture 47 - Log mean Temperature Difference  
Lecture 48 - Heat Exchangers (Continued...)  
Lecture 49 - Heat Exchangers (Continued...)  
Lecture 50 - Heat Exchangers (Continued...)  
Lecture 51 - Heat Exchangers (Continued...)  
Lecture 52 - Heat Exchangers (Continued...)  
Lecture 53 - Heat Exchangers (Continued...)  
Lecture 54 - Thermal Death Reaction Kinecties  
Lecture 55 - Preservation by High Temperature Processing  
Lecture 56 - Preservation by High Temperature Processing (Continued...)  
Lecture 57 - Distillation  
Lecture 58 - Distillation (Continued...)  
Lecture 59 - Distillation (Continued...)  
Lecture 60 - Drying and Multiple Effect Evaporator