



	2024		1		DISU412		01
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	DISPLAY						
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convergence. From this course, students are supposed to understand key technical fields of display such as TFT, OLED, Flexible and Touch technologies in terms of device, process, materials and as results student can apply display technology and convergent technical points.

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N/A, Recommend Display Engineering 1. #  
1 (Not Mandatory)#  
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1. (Mid Term Report) 20%#  
#
2. (Term Work & Discussion) 20%#  
#
3. (Final Exam) 40%#  
#
4. (Attendance) 10%#  
#
5. (Attitude, Activity in Class) 10%

				ISBN
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1. Flat Panel Display Manufacturing (WILEY)#  
Jun Souk, Shinji Morozumi, Fang-Chen Luo, Ion Bitu (Eds.)#  
#
2. Flexible Flat Panel Displays (WILEY)#  
Gregory Crawford (Ed.)#

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3. / / #							
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4. OLED Display : Fundamentals and Applications by Hoboken, N.J : Wiley 2012							
Week 1: Introduction of Course / Recent Display Trends#							
Week 2: Display Quality Factors #							
Week 3: Liquid Crystal Basics / Term-Report Discussion #							
Week 4: LCD Basics#							
Week 5 :TFT Basics#							
Week 6: TFT Process#							
Week 7: Organic Light Emission Basics#							
Week 8 : Mid-Term Report #							
Week 9: Organic Light Emission Basics#							
Week 10: OLED Device Process Basic #							
Week 11: Flexible Display#							
Week 12: Emerging Display#							
Week 13: Term Presentation & Discussion (1)#							
Week 14: Term Presentation & Discussion (2)#							
Week 15: Term Presentation & Discussion (3)#							
Week 16: Final Exam & Summary Lecture							
(Therotical Lecture and introduction of updated practical appliations) #							
(Group work with Term PJTs and Discussion with presentations)							
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Display is covnegent technogy and this course is recommended not only for students in electronics but also for students in m

aterial sceince, chemical enginenering, physics and chemistry.#

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For ther better understandings of students additional korean explanaitons can be used