Air Conditioning and Refrigration Department



Subject: Air conditioning I lecturer: Asmaa Almasoody

Stage : 2nd

Lecture No. 5

a la \* Sensible H 2) 31 Sur Cy 5,131 dets atent Heat \* dry Bulb Temperature aussisting \* Wet Bulb Temperature ~ upsol > 1 - 1 - 12 (Tw) \* Relative hundity (\$) and cope \* Moisture Content or absolute Hunidity sig طوية المولية سيرة المرابع ال \* enthalpy (h) à specify o lune هم النو E (٢) den point Temperature Silliodes 51515 DID \* hunidification الترجيب ٢ تز داد يها (ل) الحتوى الرطوبي

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71% \* dehunidification ((م) الختر كالرطريي JUL 7 Solder ALID Ş i Sas Ve plia - reguliel -. ... 12 ( ye and Sensible Heating 1:51 Qie 1/31 Elize anoise Qs = M (hz-hi) 21 hs mila ~ Jup 9

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Sensible Coolin [intre@ P = 11 ( 2 eating COD WAG heating and humidification = ) ailipi 20 20 cle WZ W,

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Lecture No. 5

Qs=m(h,-ho), QL=m(hz-ho) م المتحن وج ازال م رطوب Heating and dehunidification Id alar Tw QUE hishz Top air 10 hai QL Ø Qs w. Je Y alara QL=Qs= m(h2-ho) = m(hi-ho) \* dew point Temperature Sullapsials ap , 2 sind de est 24 1 Ello ve pour de Sta ولعدها انزال مط عودي اك الاسفل لاخاج دهي 12/cs eggescen ، النتر ب وج ازالة روية Cooling and dehunidification WI WZ Top Qs

Ministry of Higher Education and Scientific Research

Al-Mustaqbal University College

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Qs=i (ho-hz) QL= i (hi-ho) رواية الحاجوى الرجو to us 20191 W2 < W1 hunidification S 62 23 W C 212-Top = Tol = Tolz ri (hz-hi) Toj-Toz Toj = Toz

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dehunidification 1:115 Lip ille a wi ho 9 = Td, = Td2 JP2  $T = QL = \mu (h_1 - h_2)$