G aded Componen :

Co e Sched le

Week 1, 01/15 01/19 (Chap e 1) Lec e 1: S llab in od c ion o in men al anal Lec e 2: Calib a ion of in  $\Box$  men al me hod  $\Box$ Lec e 3: Selec ing anal ical me hod Week 2, 01/22 01/26 (Chap e 2)  $\square$ Lec e 4: Ohm  $\Box$  and Ki choff  $\Box$  La  $\Box$ , DC ci c i  $\Box$ Lec e 5: AC ci c i 🗆 Ca aci o 🗆 Lec e 6: RC ci c i 🗆 Week 3, 01/29 02/02 (Chap e 3 & 5) Lec e 7: Si nal and noi (P oblem e 1 c e) Lec e 8: An alog and digital fil e ing e 9: O e a ional amalifie 🗆 Lock-in amalifica ion Lec Week 4, 02/05 02/09 (Chap e 6 & 7) , Lec e 10: Cha ac e i □ic of ele: omagne ic adia ion Lec e 11: Cene al de igr of o ical in ren , c ce of EM adia ion E am 1 (Chape 1 5) Week 5, 02/12 02/16 (Chap e 7) Lec e 12: Wa eleng h Eelec o (P oblem e 2 d e) Lec e 13: 1Jmme2C m// oV/ OImEF9OV 11Aeft>I em mmmiftUm// oVDOImEF9e 1 TR(S QW&W@QX( TR(S QW@(\*#&L42

\*#&L44

Sp ing b eak, no cla Week 10, 03/18 03/22 (Chap e 16 - 18) Lec e 20: Fo e T an form R in ren a ion (P oblem Se 3 d e) e 21: Sam le handling, en a er o al eflec ance (ATR) IR Lec e 22: In o. To Raman ec o co Lec Week 11, 03/25 03/29 (Chap e 17 & 18) Lec e 23: Roman e e imen a con⊡de Lec e 24: Fla c ⊡of Raman ⊑ ec o⊡oo a on □, olati ed mea □ emen □ (i.e., SERS, e onance Raman, SRS/CARS) Lec e 25: A lica ion of Raman and I ec dico Week 12, 04/01 04 05 (Chap e 9) Lec e 26: In b. o NNIR ec p co Lec e 27: En i onmen al effec on chemical hif E am 3 (Chape 16 18 Week 13, 04/08 04 12 (Chap e 9) ling (P oblem e 4 d e) Lec e 28: Sec a n eg a ion, inin co e 29: N/IR in Lec men a ion e 30: N/IR a lica ion Lec Week 14, 04/15 04/19 (Chap e 20) Lec e 31: In o. o nolec la mal , ma 🗆 anal 🛛 e 🗆 Lec e 32:

Week 9, 03/11 03/15

E am 5 (Chap e 20, 26-28) on 05/06 a 07:30 am in Vo e 305 ( bjec o change)