EE 2361 - Lecture 29 11/16/16

Continue w/ADC

Reference, microchip AN693 "Under standing A/D Converter Performance Specification"

For the 5/H Vin > Vin (i-e - TER+RADE)

(evens less than Vin 210 To chromax C

More complicated since Vin words sample and hold like a transparant analog latch Vin SANP 4 convert 4

Iwa parts to discretizing an analogo IN put 10- bit A/D 12TAD sauple time Conversion (To for each bih + 2TAD) Sample Luie TAD combe a multiple manually or of Try but needs to automaticalle be at least 75ns / AD initualization Example 17-1 in PICRYF FRM AXD module as a mumber of vegisters to configur for many different possibility of operations 17-2

17-5

17-4

Automatic Somple Sterrt

Replace A DICONIbits, SAMP=1;

with ADICONIbits. ASAM = 1

Auto Sampling

automaticully set 5 AMP=1