Lecture - 0 SC222: Probability, Statistics and Information Theory Attendance Policy Penal ty 1. a Herdance None 75-100 One grade 50 - 74 2 goodes 250

A first lovose in 2 Probability by Sheldon Ross In for ma tion Elements of Theory by Thomas & lover Pre-requisites Permutations & Combina Kons Recurrence Relations Evalue For 25 + 25 + 50 sem insem endsem

4

Example S G G i) choose a box randomly ii) From the chosen box, choose a coin at random iii) It turn out to be a Gold Coin iv) what is the probability that the other coin in the same box is a loo a hold coin? \frac{1}{2} - 20 23-17

Problem 9 Hall Croat

Croat

Loopens

Mis door

ehind 2 doors, there is a goat. Your gress Behind 1 door, there is a car. Behind Probability that these is a car be hind door 1 = 1/3 $2 = \frac{2}{3}$ door

A bing mabes this qu'e that as soon as a woman has the first bog, she is forbidden to have any more children. Will this increase the numbs of girls in his bingdom? Assuming that the probability of a baby being boy or girl is the same i.