## APPENDIX II Teaching Evaluation Checklist

Course: MTH 207

Date: 10 - 23 - 17

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tand at those times.
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e /
ets" together, all of the definition for a course that ad minor suggestions,

Experiment: T, T, T, T, H, T, ... Rel. Freq: 1, 1, 1, 1, 4/5, 5/6, ... Computer Simulation so trials soo trials LLN: The "beginning" doesn't matter... just what's in the long run! Probability = Relative Frequency P(A), empirical, = # time A occurred

the ftrials(total), based on repeatedly

observing the event's outcome. The Nonexistence of the "Law of Averages" ... (For independent Many T's ... so the next toss should probably have more likelihood of being H. (No! 5till 1/2 ... the coin doesn't know what happened!!!)

Baseball bather is "due"

Stock that had gone down for several days was ready

for a "bounce back"

( Conceptual Questions are posted on Isidore. .. assigned or voluntary?)

Formal Probability (Rules)  $0 \le P(A) \le 1$  P(S) = 1,  $P(A^c) = 1 - P(A)$   $P(A \circ B) = P(A) + P(B)$  (A, B disjoint events)  $P(A \text{ and } B) = P(A) \cdot P(B)$  (A, B independent events)

Nice descriptions, examples, explanations of the rules.

A or A means "not A" = everything except A

disjoint = mutually exclusive = independent

\* Notes packets should be a nice time saver, leaving room
for more discussion à examples...

(Maybe emphasize that "and" doesn't mean add, as it does w/simple arithmetic!)

2x53 = \frac{1}{2} \times \frac{1}{53} (I think this may cause some confusion in

the long-run, as an example of P(A) \times P(B)

since we don't 1st talk about P(A) P(B)...it

comes at the end. I liked it, but zor

students will likely not fallow your reasoning

here.)

MiM's example (#39 from book) - good, simple shows rules in a basic, intuitive setting

	3 M&M's P(All Brown) = (.3)x(.3) x (.3)
	A discussion of why "independent" might have been
	good. Student misconception: (.3)(.29)(.28), since I less
	M&M it's horrible misconception, but it's there!
	- I will all the state of the fall of the state of the st
	Yes! You did circle back to it
	53 sticks 52 sticks different probabilities
(7009)	
	Candics so many candies. I gone doesn't really
	Candies so many candies. I gone doesn't really impact the % (at any noticeable level)
	"at least one green" is the complement of?
	(Student responded correctly)
	Suggestion: 1-(9X.9X.9) = .271
	Compare to the most common wrong answer: $(.1)(.9) = .081 \pm .271$
	$(.1)(.9)(.9) = .081 \neq .271$
	Imposes an order for "where" the green
	one occurs and it's exactly 1
	one occurs and it's exactly 1  (Misses a whole bunch of possibilities!!!)
	Example - class work independently for last 10 minutes
	of class w/ Tessa checking/answering questions
	Market state of the state of th
	"at least one" concept circle it to remember later!!!
	"at least one" concept circle it to remember later!!!  (1- "hone" always works!!!)