

# Logic for CS Class Agreement

August 2, 2017

## 1 Objective

This document is aimed at clarifying and strengthening communication between the course instructor and the students of the class to stimulate the longevity of a mutually acceptable and healthy class learning environment for the duration of the course.

## 2 Terms of Negotiation

Here we would like to put forward some suggestions on the course administration. Please note in hindsight that all these are proposals and are up for negotiations. The final verdict remains in the hands of the course instructor.

### 2.1 Quizzes

- We propose to have biweekly quizzes with a well defined syllabus.
- There are a total of 14 weeks corresponding to 7 biweekly quizzes.
- A system of best 5 out of 7 can be imposed with the insight of situations of absenteeism in any of the quizzes due to health reasons.
- It would be appreciated if the answers to the quizzes will be made available with the formal proofs for future citations in the week following the quiz.

### 2.2 Exams

- A small set of practice questions could be provided by instructor before each exam, sample solutions will be greatly appreciated if provided.
- A formal solution to each exam could be provided to the students before the distribution of the answer sheets so that the students are given a chance to learn from their mistakes.

### 2.3 Lecture Timings

- We propose to merge the 3 lectures into 2 by increasing the timings from a 1 hour duration to a 90 minute duration each if found convenient to the course instructor.
- The days of the lectures are proposed as Tuesday and Friday from 6 to 7:30 PM.

## 2.4 Assignments

- If possible we would appreciate it if the assignments were given a higher weight to encourage seriousness towards the practical aspects of the course.
- We request that the problem statement of each assignment should be well drafted out and tested by course TAs to prevent loopholes.
- We request a discussion platform be opened for students to post queries about assignments, preferably Piazza

## 2.5 Attendance

Here we are proposing 2 different schemes that can be used to simulate the attendance policy.

### 2.5.1 Mark Weight Scheme

- We propose attendance to carry individual weight in the course marks breakup, maybe 4 to 5%
- Less than 75% leads to one grade demarcation.
- Less than 50% leads to course failure.
- Proven to work in classes like: *Prof. Naveen Garg - TOC 2016-2017 Semester 2* and *Prof. Vinay Ribeiro - Computer Networks 2016-2017 Semester 1*

### 2.5.2 Multiplicative Scheme

- If a multiplicative attendance scheme is enforced then we would like to frame the possible suggestions:
  1. A small buffer of classes given to students in each third of the semester (Triads) would be appreciated, e.g. 2 classes
  2. The maximum multiplier is 1.0
  3. All values could be rounded to the nearest 0.05
- The calculation of the multiplicative factor  $\mathcal{M}$  could be as follows:

$N = \text{number of total lectures}$

$A = \text{number of attended lectures}$

$B = \text{number of buffer lectures}$

$$\mathcal{M} = 1 + \frac{\ln\left(\frac{\min(A, N-B)}{N-B}\right)}{2}$$

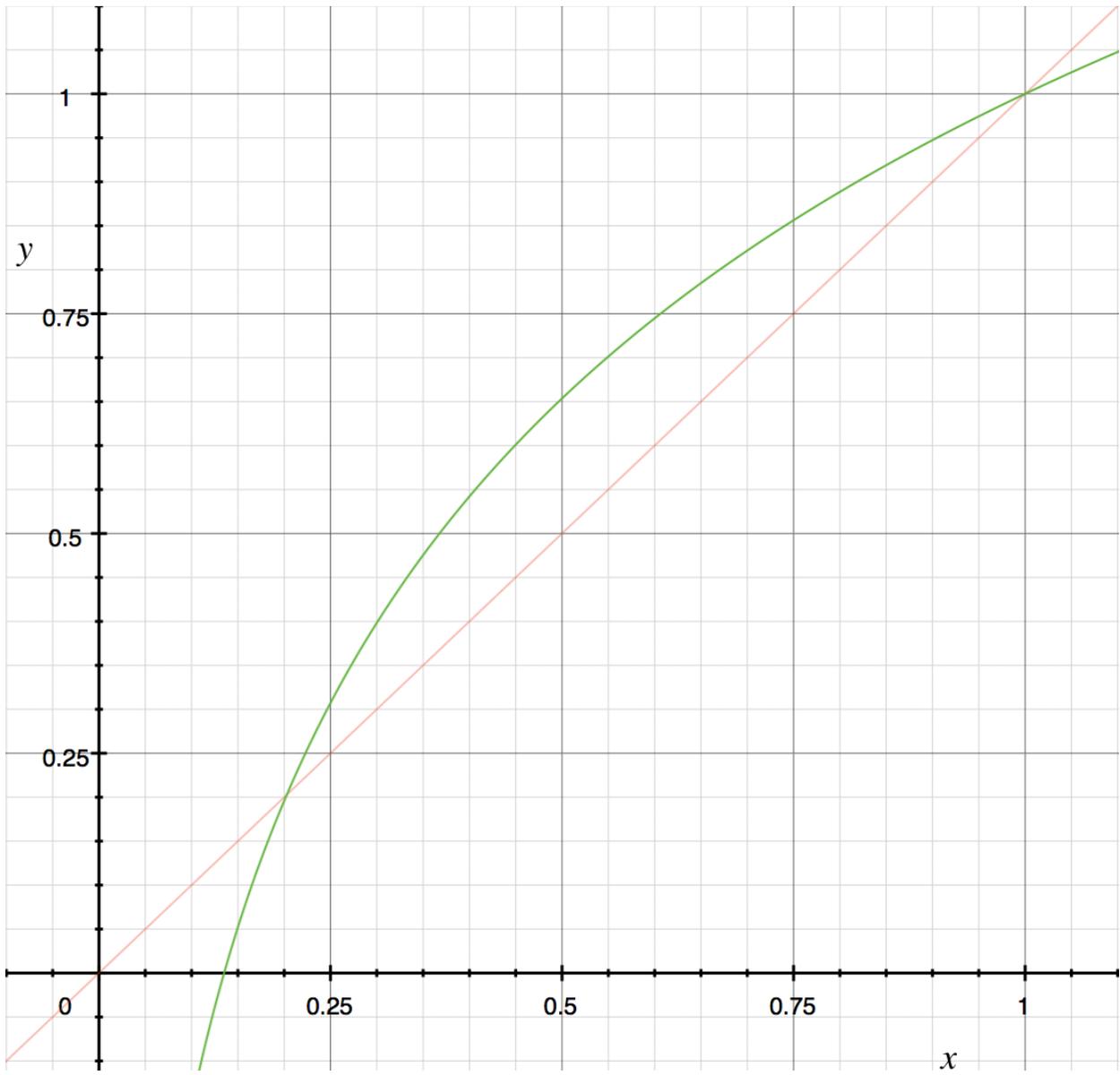


Figure 1: The line in red represents  $(y = x)$ . The line in green represents  $(y = 1 + \ln(x)/2)$