

In this course, we will use some of the basic mathematical concepts like functions, solving series, sigma notation, summations and recurrence relations in upcoming lectures.

It is important to note that we will use summations (i.e. Sigma notation) and recurrences to solve loops while analyzing algorithms.

For the convenience of our students, we have uploaded handouts of Discrete Mathematics MTH202 which contains the above mentioned topics with lot of examples and exercises.

We will advise you to study/revise these basic topics and practice exercises given so that you will not face any problem in future lectures. Topics along with their Page Numbers are mentioned below.

Functions:	Page 103
Series & Sigma Notation:	Page 151 - 158
Recursion:	Page 159 - 163

You can find the file "Discrete Mathematics MTH202" in Download section of your VULMS course or by clicking here: [Discrete Mathematics MTH202.pdf](#)

Some of the useful web links are also mentioned below. You are urged to search by yourself on internet as well.

<https://www.math.ucdavis.edu/~kouba/CalcTwoDIRECTORY/summationdirectory/>

<http://www.mathtutor.ac.uk/functions/sigmanotation>

<http://tutorial.math.lamar.edu/Classes/Calcl/SummationNotation.aspx>

<http://xlinux.nist.gov/dads>

In case of any difficulty, we are here to help and guide you.

Do not post questions regarding this on MDB, please email us at CS502@vu.edu.pk

Warm Regards,
Instructors CS502