

# **Long version of the title**

LastName1 FirstName1, LastName2  
FirstName2

University of SWAG

# Table of contents

Section Name .....	3
Slide Title .....	4
Math .....	6
Greatest common divisor .....	7

# Section Name

# Slide Title

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliquam quaerat voluptatem. Ut enim aequo doleamus animo, cum corpore dolemus, fieri tamen permagna accessio potest, si aliquod aeternum et infinitum impendere malum nobis opinemur. Quod idem licet transferre in voluptatem, ut postea variari voluptas distinguique possit, augeri amplificarique non possit. At etiam Athenis, ut e patre audiebam facete et urbane Stoicos irridente, statua est in quo a nobis philosophia defensa et collaudata est, cum id, quod maxime placeat, facere possimus, omnis voluptas assumenda est, omnis dolor repellendus. Temporibus autem quibusdam et.



# Math

# Greatest common divisor

## Definition – Euclid's algorithm

The function `gcd(a, b)` returns the greatest common divisor of two integers.

## Warning – undefined case

`gcd(a, 0)` is fine, but `gcd(0, 0)` is mathematically undefined. Your implementation should reject or handle this explicitly

## Remark – symmetry property

`gcd(a, b)` should always equal `gcd(b, a)`. You can use this to test your implementation

## Hint – simplifying fractions with gcd

Once `gcd(a,b)` works, you can reduce fractions to lowest terms