

# THESIS TITLE

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UNIVERSITY OF OTTAWA

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# ABSTRACT

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## ACKNOWLEDGEMENTS

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# AUTHOR CONTRIBUTIONS

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## LIST OF TABLES

## LIST OF ABBREVIATIONS

**IJBOL** I just burst out laughing 6

**IMO** in my opinion 6

## INTRODUCTION

This is the introduction. Sed commodo posuere pede. Mauris ut est. Ut quis purus. Sed ac odio. Sed vehicula hendrerit sem. Duis non odio. Morbi ut dui. Sed accumsan risus eget odio. In hac habitasse platea dictumst. Pellentesque non elit. Fusce sed justo eu urna porta tincidunt. Mauris felis odio, sollicitudin sed, volutpat a, ornare ac, erat. Morbi quis dolor. Donec pellentesque, erat ac sagittis semper, nunc dui lobortis purus, quis congue purus metus ultricies tellus. Proin et quam. Class aptent taciti sociosqu ad litora torquent per

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Suspendisse vitae elit. Aliquam arcu neque, ornare in, ullamcorper quis, commodo eu,

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## PART I

### TIPS AND TRICKS

# 2

## EXAMPLE

This is an example of a chapter. You can use references, footnotes, and insert images with ease. The citation used is contained in the `template.bib` file [1]. You can also reference other parts of your thesis easily (Chapter 1). Footnotes can be helpful in a thesis as a way to add small pieces of peripherally related information, or tangents, etc.<sup>1</sup> Make sure

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<sup>1</sup>The university had its reasons for selecting the *Gee Gee* as its mascot. Sure, it's the first horse out of the gate - a little obscure for my tastes - but the obscurity becomes justified when you realize that they



Figure 2.1: This is the uOttawa logo.

that you also use the glossaries to keep track of acronyms like I just burst out laughing (IJBOL). Then, if you see them later (IJBOL), you can easily find out what they mean. In my opinion (IMO), the `\Gls{}` command and its variants are useful for different acronymic phrasings.

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had to choose a mascot whose name was the same in both English and French. This requirement extends to the university colours, as well. Stemming from the peculiar mascot name, they needed to choose two colours whose names started with "Gee" in both French and English. They went with Garnet/Grenat and Grey/Gris. A tough job indeed.

# APPENDICES

A

TEMPLATE

## A.1. SYSTEM OF UNITS

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### A.1 SYSTEM OF UNITS

quantity	unit	symbol	base dimension
length	meter	m	
mass	kilogram	kg	
time	second	s	
temperature	kelvin	K	
current	ampere	A	
frequency	hertz	Hz	
force	nerton	N	$\text{kgm/s}^2$
pressure	pascal	pa	$\text{N/m}^2$
energy	joule	J	Nm
power	watt	W	$\text{Nm/s}$
charge	coulomb	C	As
electric potential	volt	V	$\text{Nm/As}$
conductance	siemens	S	$\text{A}^2\text{s/Nm}$
resistance	ohm	$\Omega$	$\text{Nm/A}^2\text{s}$
capacitance	farad	F	$\text{A}^2\text{s}^2/\text{Nm}$
magnetic flux density	tesla	T	$\text{N/Am}$
inductance	henry	H	$\text{Nm/A}^2$

## A.2. PHYSICAL CONSTANTS

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### A.2 PHYSICAL CONSTANTS

symbol	quantity	value	units
$N_A$	Avogadro's number	$6.022 \times 10^{-23}$	$\text{mol}^{-1}$
$k_B$	Boltzmann's constant	$1.381 \times 10^{-23}$	J/K
		$8.617 \times 10^{-5}$	eV/K
$e$	charge of the electron	$-1.602 \times 10^{-19}$	C
$m_e$	mass of electron	$9.109 \times 10^{-31}$	kg
$m_p$	mass of proton	$1.673 \times 10^{-27}$	kg
$\epsilon_0$	permeability of free space (magnetic constant)	$4\pi \times 10^{-7}$	H/m
$\mu_0$	permittivity of free space (electric constant)	$8.854 \times 10^{-12}$	F/m
$h$	Planck's constant	$6.626 \times 10^{-34}$	Js
$\hbar$	Planck's reduced constant	$1.055 \times 10^{-34}$	Js
$n_0$	refractive index in vacuum	1	-
$c$	speed of light in vacuum	$2.998 \times 10^8$	$\text{m/s}^2$
$R$	universal gas constant	8.314	J/molK

## REFERENCES

1. Hong, C. K. & Mandel, L. Theory of parametric frequency down conversion of light. PHYSICAL REVIEW A **31**, 2409–2418 (4 1985).