

# WEP Attacks and Solutions

Jack Neilson

March 21, 2018

# School of Computing Science and Digital Media

## Faculty of Design and Technology

### Coursework Assignment

Student Name*	Jack Neilson
Matriculation Number*	1506801
Contact Number (in case of urgent need)	07990 850 875
Course	CS Hons Year
Stage	BSc
Time taken to complete (hours)	1-4    5-9    10-14    15-19    20+
Lecturer	Ian Harris
Module Name	Ethical Hacking
Module Number	CM4103
Coursework Title	WEP Attacks and Solutions
Coursework Part	Coursework
Handout Date	26 <sup>th</sup> Mar 2018
Due Date	23 <sup>rd</sup> Apr 2018
Submission Method	Via campusmoodle assessment dropbox

Declaration \*\* This **MUST** be affirmed by signing below

#### I confirm

- That the work undertaken for this assignment is entirely my own and that I have not made use of any unauthorised assistance.
- That the sources of all reference material has been properly acknowledged.

Student Signature*	J. Neilson
Date Submitted*	

For Office Use

#### Marker' Comments

Marker	Grade
--------	-------

# Contents

<b>1</b>	<b>Non-Technical Report</b>	<b>4</b>
1.1	Weaknesses of WEP . . . . .	4
1.2	Attack Vectors . . . . .	4
1.3	Mitigations . . . . .	4
<b>2</b>	<b>Solution</b>	<b>4</b>
<b>3</b>	<b>Ethics</b>	<b>4</b>
3.1	Ethical Framework . . . . .	4
3.2	Professional Standards . . . . .	4
	<b>Appendices</b>	<b>4</b>

## **1 Non-Technical Report**

### **1.1 Weaknesses of WEP**

### **1.2 Attack Vectors**

### **1.3 Mitigations**

## **2 Solution**

## **3 Ethics**

### **3.1 Ethical Framework**

### **3.2 Professional Standards**

# **Appendices**