



**Faculty of Engineering**

**Urban Planning and Design Master Program UPLD**

# **Managing Urban Growth by Using a GIS-based Multi Criteria Analysis:**

**A Case Study from Ramallah-Al Bireh Governorate, Palestine**

**Master Thesis Submitted By:**

**Jumana Jamil Abu Sada**

**Supervision**

**Dr Salem Thawaba**

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*Submitted in Partial Fulfillment of the Requirements for the Master Degree in Urban  
Planning and Design from the Faculty of Graduate Studies, at Birzeit University- Palestine*

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