

ورشة عمل

على هامش المؤتمر العلمي الفلسطيني لطلبة الدراسات العليا 2022

Mathematical and Statistical Modelling:

A Language that Explains the Real World

Applied mathematical and statistical modelling is considered as a cornerstone of further progress in crucial areas of human endeavor, fundamentally influencing our well-being, while our success to learn this field will inevitably lie with a holistic approach based on interdisciplinary skills to problem-solving. Mathematical and statistical techniques can explain how the world works and make it better. Mathematical and statistical modelling is capable of saving lives, assisting in policy and decision-making, and optimizing economic growth. It can, also, be exploited to help understand the Universe and the conditions needed to sustain life.

This interdisciplinary is research-focused where it develops expertise in using the tools of mathematical and statistical modelling, contribute in creative and innovative ways to solving complex interdisciplinary problems, carry out independent research, and learn to communicate effectively with researchers in other disciplines. Mathematical and statistical modelling approaches are crucial in areas ranging from traditional applications in physical and computer sciences, engineering, and technology to diverse emerging applications in health and life sciences, finance, business and economics, environment, climate change, energy, and ecology, as well as in governance and social systems. The motion of all solid objects and fluids can be described using the unifying language of mathematics. Wind movement, turbulence in the oceans, the migration of butterflies in a big city: all these phenomena can be better understood.

The workshop encourages interdisciplinary and collaborative research involving the development, analysis, and utilization of mathematical and statistical models in applications. Our workshop will involve to understand the challenges that other disciplines face, and how that mathematical and statistical modelling help mitigate their effects. This workshop will show how, far from being simply an abstract area of knowledge, mathematics has many important and practical uses in the real world.

أهداف الورشة:

1. التعرف على مجالات استخدام النمذجة الرياضية وتطبيقاتها.
2. عرض التطبيقات الاحصائية للنمذجة.
3. طرح افكار جديدة لتطوير البحث العلمي في مجال النمذجة الرياضية.
4. مناقشة التحديات التي تواجه الباحثين في قطاع غزة في مجال النمذجة الرياضية.
5. تعزيز مشاركة طلبة الدراسات العليا في مجال النمذجة الرياضية.

مكان عقد الورشة: (B401) مبنى الإدارة

زمن انعقاد الورشة: الثلاثاء الموافق: 2022/09/27م

أجندة الورشة

الوقت	النشاط	مقدم النشاط
10:45-11:00	استقبال	-----
11:00 – 11:10	افتتاحية وقراءة قرآن	منسقة اللقاء
11:10 – 11:25	كلمة عميد كلية العلوم	د. بشر عقيلان
11:25 – 11:45	محاضرة الضيف	Dr. Arifah Bahar
11:45 – 12:00	عرض 1	أ.د. علي أبو زايد
12:00 – 12:15	عرض 2	أ.د. رائد صالحه
12:15 – 12:30	عرض 3	د. سامي شعت
12:30 -13:00	حوار ونقاش	