**Matrices Description of Applied Mathematics 1**

- The program presented by the instructor is a (Diagram an Instructor) program (Applied Mathematics Program).
- The head of the program is responsible for the program (Mathematics Department).
- The head of the program is responsible for instructing the program (Mathematics Department).
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**Basic Data**

1. **Purpose**: Applied Mathematics 1
2. **Code**: MS 228
3. **Hours**:
   - Attendance: 2 hours
   - Practical Lessons: 1 hour
   - Total: 3 hours

**Professional Data**

1. The general objectives of the instructor:
   - To give a brief outline of the static.
   - Understand and know the concepts of forces, vectors, equilibrium, friction.
   - Apply the concepts of static for solve some physical problems.

2. The educational results are specified in the program:
   - **A**: Knowledge and understanding:
     - A-1: know and understand rules of static laws.
     - A-2: know and understand principles of vector analysis and applications.
     - A-3: know and understand principles of center of gravity.
     - A-4: know and understand principles of catenary’s shearing forces.
B - the professional skills

B-1: show mathematical thinking.
B-2: interpretation of the physical phenomena such as: attraction and potential for some bodies.

C - the professional skills and practical

C-1: solve problems on principals of the static
C-2: training in a problem solving.

D - the general skills and the ability to transfer

D-1: apply of principles of the static laws in diverse aspects.
D-2: be self independent in any problem solving.

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أساليب التعليم والتعلم

- discussion.
- projects
team work
interaction

 أساليب التقييم

1. الاختبارات التحريرية؛ تقييم التحصيل والأداء الكتابي للطلاب.
2. البحوث والتقارير؛ تقييم مهارات البحث والدراسة لدى الطلاب.

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جدول التقييم

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النسبة المئوية لكل تقييم

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الإمكانات المطلوبة للتعليم والتعلم

- Courses notes prepared by staff members of math.dept.
Selected material by instructor


مﻨﺴﻖ اﻟﻤﻘﺮر: د / محمد درويش
رﺋﯿﺲ اﻟﻘﺴﻢ: د / محمد درويش
التـاريخ: