

قسم تقنيات النباتات الطبية والنوافج الطبيعية/ مفردات المنهج

المرحلة الأولى

الفصل الدراسي الأول

اساسيات تربة نظري

**Delivery Plan (Weekly Syllabus)**

|                | <b>Material Covered</b>   |
|----------------|---|
| <b>Week 1</b>  | <b>What is soil, the purpose of studying it, soil science, its branches, and the basic components of soil.</b>  |
| <b>Week 2</b>  | <b>Weathering, its types, factors, composition of the original material.</b>  |
| <b>Week 3</b>  | <b>Soil formation and development, soil formation factors.</b>  |
| <b>Week 4</b>  | <b>Soil morphology, soil depth, soil horizons, soil color, and other morphological characteristics.</b>   |
| <b>Week 5</b>  | <b>Physical properties of soil and their relationship to plant growth.</b>  |
| <b>Week 6</b>  | <b>Physical properties of soil and their relationship to plant growth</b>   |
| <b>Week 7</b>  | <b>Liquid phase of soil, soil relationship with water, water constants, soil water classification.</b>  |
| <b>Week 8</b>  | <b>Soil colloids, clay minerals.</b>  |
| <b>Week 9</b>  | <b>Chemical properties of soil, soil interaction, ion exchange, cation exchange capacity.</b>   |
| <b>Week 10</b> | <b>Organic matter in the soil, its sources, importance, components, and decomposition.</b>  |
| <b>Week 11</b> | <b>Soil salinity, sources of salinity, causes of salinity, classification of salinized soils, reclamation of saline soils, inspection of salinity...etc</b> |
| <b>Week 12</b> | <b>Soil fertility, macro and micro nutrients, their importance, sources, and symptoms of deficiency.</b>  |
| <b>Week 13</b> | <b>The relationship of soil, water and plants.</b>  |

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|---------|---------------------|
| Week 14 | Soil classification |
| Week 15 | Iraqi soil          |
| Week 16 | Exam                |

اساسيات تربة عملی

| Delivery Plan (Weekly Syllabus) , Delivery Plan (Weekly Lab. Syllabus) |  |
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| Week   | Material Covered   |
| Week 1   | Definition of calculator - calculator generations - hardware and software components   |
| Week 2   | MS-Dos operating system, system concept, system signal, disks, directories and their levels, files, internal and external commands                             |
| Week 3   | Internal and external operating system commands.   |
| Week 4   | Windows operating system, system concept, advantages, basic requirements, system operation, desktop components   |
| Week 5   | The concept of icons, the method of dealing with the mouse, the importance and components of the Task Bar, the Start menu, and exiting the system              |
| Week 6   | Formatting disks, copying files and folders, taking advantage of Cut and Paste operations, dealing with the Recycle Bin, how to delete files and recover them. |
| Week 7   | Take advantage of Control Panel programs,  |
| Week 8   | Change the desktop background, control the Screen Saver, Add and remove programs to the start menu.  |
| Week 9   | Taking advantage of the Run command to execute programs directly.  |
| Week 10  | Use entertainment programs, Window media player, and take advantage of additional programs. Accessories  |
| Week 11  | Use entertainment programs, Window media player, take advantage of additional programs, and use the calculator.  |
| Week 12  | Working with the Paint drawing program to create, save and retrieve drawings. Dealing with Office applications. How to get help Help.                          |
| Week 13  | The concept of computer viruses, how they are infected, types of viruses, how to treat them and deal with them using anti-virus programs.                      |
| Week 14  | Windows 7 operating system, American company Microsoft, the company's official website <a href="http://www.microsoft.com">www.microsoft.com</a>                |
| Week 15  | . Dealing with desktop icons, dealing with the components of the My Computer icon in terms of disks, folders, and files.                                       |
| Week 16  | final Exam   |

