



Australian Government

HLTPHA029 Apply knowledge of chemical principles as they apply to pharmacy activity

Release: 1

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Modification History

Not applicable.

Application

This unit of competency describes the performance outcomes, skills and knowledge on chemical principles and reactions to increase understanding of how they apply to pharmacy activity.

This unit applies to hospital or health services pharmacy assistants and technicians working under the supervision of an authorised person.

The skills in this unit must be applied in accordance with Commonwealth and State/Territory legislation, Australian standards and industry codes of practice.

No occupational licensing, certification or specific legislative requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Competency Field

Pharmacy

Unit Sector

Health

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes

1. Identify chemical principles that apply in pharmacy activity.
2. Deliver a continuing education session for

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1.1. Identify the nature and use of medicinal products and how they react with the body's physiological system.
- 1.2. Record relevant information for review by an authorised person.
- 2.1. Discuss the purpose of the session, noting that chemistry is the foundation of pharmacy and explain the key concepts of

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pharmacokinetics and basic chemistry principles.

- 2.2. Describe how medications are metabolised and eliminated from the human body.
- 2.3. Describe how physiological factors affect medication use.
- 2.4. Discuss the fundamentals of drug to drug, drug to food, drug to alcohol interactions.
- 2.5. Describe how specific medications react to physical environments.
- 2.6. Describe why specific medications require different routes of administration.
- 2.7. Explain which medications are vulnerable to pH degradation.
- 2.8. Explain why common medications produce unwanted reactions when given together.
- 2.9. Present information on medication shelf-life considerations.
- 2.10. Discuss what information to convey to patients about the administration of dosage forms.

Foundation Skills

Foundation skills essential to performance are explicit in the Performance Criteria of this unit of competency.

Unit Mapping Information

No equivalent unit.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=ced1390f-48d9-4ab0-bd50-b015e5485705>