

Specification of Competency Standards
for the Elderly Care Service Industry
Unit of Competency

Functional Area - Common

Title	Select Suitable Function Enhancing Technology for the Elderly Persons
Code	110916L5
Range	This Unit of Competency is applicable to practitioners who provide rehabilitation services in the elderly care service industry. The application requires the demonstration of in-depth expertise or theoretical knowledge in a range of technical, professional or managerial working environments, and its execution requires careful thinking, critical analysis and decision-making skills. Practitioners should be able to determine the suitable function enhancing technology for the elderly persons, according to their needs, professional knowledge on gerontechnology related function enhancing technology, and perform professional analysis and comparisons on function enhancing technologies for the elderly persons.
Level	5
Credit	9 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Relevant knowledge on function enhancing technology</p> <ul style="list-style-type: none"> • Understand the performance assessment tools and their applications, such as: <ul style="list-style-type: none"> ○ Elderly Mobility Scale ○ Berg Balance Scale ○ Barthel Index ○ Instrumental Activities of Daily Living (IADLs) Scale, etc. • Understand the methods to assess the elderly's needs and required assistance in improving function, such as: <ul style="list-style-type: none"> ○ The goals of their personal care plan ○ Mobility ○ Self-care ability ○ Transfer and walking ability ○ Activities of Daily Living (ADLs) and Instrumental Activities of Daily Living (IADLs) ○ Economic status ○ Living environment ○ The resources and abilities of the carers and their support network, etc. • Understand the methods to understand and integrate the types and application methods of common function enhancing technology, such as: <ul style="list-style-type: none"> ○ Interactive functional training platform ○ Psychomotor ability training equipment ○ Smart Floor/Smart Interactive projector ○ Power arm ○ Equipment for multifunctional coordination and agility training ○ Equipment for dynamic standing training ○ Virtual reality rehabilitation system with biofeedback, etc. • Understand the methods to inspect and integrate the information of common function enhancing technology, such as: assistance scope, function characteristics, related effectiveness research, applicable target groups, operation complexity, required training, price, etc. • Understand the methods to assess the benefits of the product on the elderly persons and their carers, such as: <ul style="list-style-type: none"> ○ To improve the elderly's quality of life ○ To reduce the burden and pressure of nursing staff and carers

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	<ul style="list-style-type: none"> ○ To increase the elderly's interest in participating in training and sense of commitment, etc. <p>2. Select suitable function enhancing technology for the elderly persons</p> <ul style="list-style-type: none"> ● Set goals for using gerontechnology according to the elderly's needs and required assistance in improving function, such as: <ul style="list-style-type: none"> ○ Identify the elderly's needs in improving function according to the goals of their care plans ○ Analyze the types of function enhancing technology suitable for the elderly persons, according to their mobility, self-care ability, level of assistance required, needs, environment and economic conditions, etc. ● Compare the information of similar equipment in conjunction with the above-mentioned analysis, and find the most suitable technology for the elderly persons, such as: <ul style="list-style-type: none"> ○ Whether it can be used to improve the elderly's functional impairment ○ Research results and literature support on its effectiveness ○ Whether it is suitable for the elderly persons, such as: whether it can be operated by itself, whether the carer can provide assistance, model and size, etc. ○ Is the operation of the technology too complex, including hardware and software operations, and whether the required training can be provided ○ Is the price affordable, etc. ● When selecting the equipment, the opinions of the elderly persons, carers and the expected usage conditions, should be explained and discussed, such as: required training, storage and maintenance plan, required funding, expected effectiveness, etc. <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> ● Identify the elderly's needs in improving their functions, the organization's resources, and select the most appropriate and effective technology ● Understand the information on the industry's functional enhancing technology, and select those that meet the elderly's needs
Assessment Criteria	<p>The integrated outcome requirements of this Unit of Competency are:</p> <ul style="list-style-type: none"> ● Able to select appropriate function enhancing technology according to the elderly's needs, and compare the functions, effectiveness and methods of use of various equipment on the market; and ● Able to consider the opinions of the elderly persons and their carers when selecting suitable function enhancing technology, and select those that meet the elderly's needs.
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