

4723-5-14

Curriculum for a practical nursing education program.

The curriculum for a practical nursing education program shall be implemented by the administrator of the program and faculty as written and shall include at least the following:

(A) A philosophy, conceptual framework or organizing theme, program objectives or outcomes, course objectives or outcomes, teaching strategies, and evaluation methods which are:

- (1) Developed and written by the faculty;
- (2) Consistent with the law regulating the practice of nursing as a licensed practical nurse;
- (3) Internally consistent;
- (4) Implemented as written; and
- (5) Distributed to nursing students;

(B) A curriculum plan showing the sequence of courses, laboratory experiences, and the units of credit or number of clock hours allotted to theory and laboratory experiences; and

(C) A curriculum content that:

- (1) Spans a minimum length of one academic or calendar year of full-time study. If the program is a high school program, the program shall be implemented no earlier than the beginning of the student's junior year of high school;
- (2) Includes courses or content in three major areas, which may be integrated, combined, or presented as separate courses. The three major areas shall include:
 - (a) Basic biological, physical, and technological sciences, human anatomy and physiology, chemistry, microbiology, nutrition, pharmacology, mathematics, and computer operations;
 - (b) Basic social and behavioral sciences which shall include at least concepts which assist a student in the development of a foundation for:

- (i) Understanding and communicating with individuals or groups across the life span; and
 - (ii) Understanding the effect of economic, political, religious, spiritual, cultural, and growth and developmental experiences upon human behavior; and
- (c) Basic nursing art and science related to nursing practice in a variety of structured settings, with a curriculum of courses and clinical experiences sufficient to prepare the graduate to safely deliver nursing care across the life span and to function within the defined scope of practice for a licensed practical nurse that shall include the following:
- (i) Utilization of the nursing process to contribute to meeting the physiological, psychosocial, cultural, and spiritual needs of individuals and groups, including end-of-life care;
 - (ii) Application of principles of critical thinking in the delivery of nursing care;
 - (iii) Communication with patients, families, health team members, and other significant individuals;
 - (iv) Demonstration of safe pharmacotherapeutics including medication administration and assistance with self administration of medication;
 - (v) Collaboration with patients, families, health team members, and other significant individuals;
 - (vi) Delegation of nursing tasks in accordance with Chapter 4723-13 of the Administrative Code;
 - (vii) Documentation of observations, interventions, and evaluation of the nursing intervention;
 - (viii) Demonstration of knowledge of legal, ethical, historical and emerging issues in nursing including the law and rules that regulate the practice of nursing;

(ix) Integration of content from the physical, biological, technological, social and behavioral sciences; and

(x) Demonstration of strategies to promote, maintain and restore health;

(3) May include content in intravenous therapy. If the nursing education program elects to include content in intravenous administration, the content, which may be presented as a separate course or integrated within the curriculum, shall include, but not be limited to the following:

(a) A minimum of forty hours of training, of which time shall be allocated for laboratory and supervised clinical practice, that includes all of the following:

(i) The curriculum established by Chapter 4723-17 of the Administrative Code adopted by the board and in effect on January 1, 1999, which shall include:

(a) Policies and procedures of both the board and any affiliated clinical agencies relating to intravenous therapy and accountability and responsibility of the licensed practical nurse in the performance of limited intravenous therapy procedures;

(b) Support and psychological preparation for the individual receiving intravenous therapy as well as the appropriate family members and significant others;

(c) Anatomy and physiology of the peripheral veins use for venipuncture;

(d) Procedure for venipuncture, collection of equipment, site selection, palpation of veins, and skin preparation;

(e) Procedures for adding intravenous solutions to existing infusions, hanging intravenous solutions, changing intravenous tubing, performing intravenous dressing changes and flushing, and converting peripheral intermittent infusion devices/heplocks;

(f) Relationship between intravenous therapy and the body's homeostatic and regulatory functions;

(g) Signs and symptoms of local and systemic complications in the administration of fluids and guidelines for management

of these complications as well as preventive measures;

(h) Identification of various types of equipment used in administering intravenous therapy with content related to criteria for use of each and means of troubleshooting for malfunction;

(i) Formulas used to calculate flow rate;

(j) Principles and practices of universal precautions as related to intravenous therapy;

(k) Glossary of common terminology pertinent to intravenous therapy;

(l) Documentation of intravenous therapy procedures;

(m) Demonstration of successful application of knowledge and skills to clinical practice by skills testing at least all of the components included in paragraphs (C)(3)(a)(i)(d), (C)(3)(a)(i)(e), (C)(3)(a)(i)(h), and (C)(3)(a)(i)(i) of this rule;

(n) A review of Chapter 4723. of the Revised Code and the rules of the board with respect to the role, accountability, and responsibility of the licensed practical nurse in intravenous therapy;

(o) Anatomy and physiology of the cardiovascular system as related to homeostasis;

(p) Anatomy and physiology of the respiratory system as related to homeostasis;

(q) Signs and symptoms of local and systemic complications in the administration of antibiotic additives;

(r) Guidelines for the management of complications arising from the intravenous administration of antibiotics;

(s) Procedures for reconstituting and administering intravenous antibiotics via piggyback which shall include, but not be limited to, pharmacology, compatibilities, and flow rates;

(t) Procedures for maintaining a central line through which is infusing only the solutions specified in section 4723.17 of the Revised Code;

- (u) A review of prohibited practices as set forth in section 4723.17 of the Revised Code; and
 - (v) A review of the role of the registered nurse, licensed physician, dentist, optometrist, or podiatrist who is directing the licensed practical nurse to perform an intravenous therapy procedure with reference to how the role may differ depending upon the setting in which the intravenous therapy is being provided.
- (ii) Training the anatomy and physiology of the cardiovascular system, signs and symptoms of local and systemic complications in the administration of fluids and antibiotic additive, and guidelines for the management of these complications;
- (iii) Any other training or instruction the board considers appropriate.
- (b) A testing component that includes the successful performance of three venipunctures supervised by qualified faculty or instructional personnel in accordance with rules 4723-5-18 to 4723-5-20 of the Administrative Code. The performance of the three venipunctures shall comprise no more than eight hours of the entire course or course content.
- (c) A method to verify that the student has successfully completed the course in intravenous therapy as approved by the board in accordance with this rule.
- ~~(3)~~(4) Consists of a total number of units of credit or clock hours in the curriculum areas set forth in paragraph (C)(2) of this rule to ensure sufficient preparation for the safe and effective practice of nursing as a licensed practical nurse, as set forth in Chapter 4723. of the Revised Code, and meets the established objectives or outcomes of the program; and
- ~~(4)~~(5) Includes clinical and laboratory experiences which shall:
 - (a) Meet the established course objectives or outcomes;
 - (b) Provide a nursing student with the opportunity to practice cognitive, psychomotor, and affective skills in the performance of a variety of basic nursing functions with individuals or groups across the life span; and
 - (c) Be provided concurrently with the related theory instruction.

Effective:

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Certification

Date

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