Oregon CTE

Health Sciences

Determine academic subject matter, in addition to high school graduation requirements, necessary for pursuing a health science career. HL01	1 **Utilize knowledge of human structure and function to conduct health care role.** HL01.01.01
	2 **Describe the basic structures and functions of cells, tissues, organs, and systems as they relate to homeostasis.** HL01.01.02
	3 **Compare relationships among cells, tissues, organs, and systems.** HL01.01.03
	4 **Explain body planes, directional terms, quadrants, and cavities.** HL01.01.04
	5 **Analyze the interdependence of the body systems as they relate to wellness, disease, disorders, therapies, and care rehabilitation.** HL01.01.05
	6 **Utilize knowledge of diseases and disorders to conduct health care role.** HL01.02.01
	7 **Compare selected diseases/disorders including respective classification(s), causes, diagnoses, therapies, and care/rehabilitation to include biotechnological applications.** HL01.02.02
	8 **Analyze methods to control the spread of pathogenic microorganisms.** HL01.02.03
	9 **Contrast various types of immunities.** HL01.02.04
	10 **Analyze body system changes in light of diseases, disorders, and wellness.** HL01.02.05
	11 **Compare the aging process among the body systems.** HL01.02.06
Explain the healthcare worker's role within their department, their organization, and the overall healthcare system. HL02	1 **Explain systems theory as it applies to the health care environment.** HL02.01.01
	2 **Describe systems theory and its components.** HL02.01.02
	3 **Construct a general systems model using inputs, throughputs, and a feedback loop.** HL02.01.03
	4 **Explain the concept of system change as it applies to the health care environment.** HL02.02.01

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5 **Analyze the cause and effect on health care system change based on the influence of technology, epidemiology, bio-ethics, socio-economics, and various forms of complimentary (non-traditional) medicine.** HL02.02.02

6 **Understand the existing and potential hazards to clients, co-workers, and self.** HL02.03.01

7 **Utilize safe work practices and follow health and safety policies and procedures.** HL02.03.02

8 **Diagram the interdependence of health care professions within a given health care delivery system and pertaining to the delivery of quality health care.** HL02.03.03

9 **Design a system analysis process that evaluates these outcomes: client satisfaction, productivity, cost effectiveness, and efficiency.** HL02.03.04

10 **Evaluate the impact of enhanced technology on the health care delivery system.** HL02.03.05

11 **Identify and explain key systems of the health care delivery system.** HL02.04.01

12 **Construct a health care delivery system model.** HL02.04.02

13 **Predict where and how factors such as cost, managed care, technology, an aging population, access to care, alternative therapies, and lifestyle/behavior changes may affect various health care delivery system models.** HL02.04.03

14 **Project outcomes as interconnected components of a modified health care system.** HL02.04.04

15 **Calculate the cost effectiveness of two separate health care delivery systems using the same client procedure.** HL02.04.05

Identify existing and potential hazards to clients, coworkers, visitors, and self in the healthcare workplace. HL03

1 **Explain infection control practices and procedures.** HL03.01.01

2 **Practice infection control procedures.** HL03.01.02

3 **Practice appropriate cleaning, disinfecting, and sterilizing processes.** HL03.01.03

4 **Contrast medical and surgical asepsis.** HL03.01.04

5 **Demonstrate personal safety practices.** HL03.02.01

6 **Manage a personal exposure incident in compliance with OSHA regulations.** HL03.02.02

7 **Apply principles of body mechanics and ergonomics.** HL03.02.03

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Use personal protective equipment (PPE) as appropriate to the environment. HL03.02.04

9 **Use techniques to insure environmental safety.** HL03.03.01

10 **Modify the environment to create safe working conditions.** HL03.03.02

11 **Demonstrate methods of fire prevention in the health care setting.** HL03.03.03

12 **Prevent accidents by using proper safety techniques.** HL03.03.04

13 **Practice good housekeeping by maintaining a safe work environment.** HL03.03.05

14 **Identify common safety hazards.** HL03.04.01

15 **Use Materials Safety Data Sheets (MSDS).** HL03.04.02

16 **Recognize and adhere to hazardous labeling requirements.** HL03.04.03

17 **Comply with safety signs, symbols, and labels.** HL03.04.04

18 **Implement appropriate action when observing a hazardous material problem.** HL03.04.05

19 **Apply safety principles within given environment.** HL03.04.06

20 **Recognize hazardous chemicals commonly used in the health care environment and utilize in an appropriate manner.** HL03.04.07

21 **Describe healthy behaviors.** HL03.05.01

22 **Apply behaviors that promote health and wellness.** HL03.05.02

23 **Advocate available preventive health screening and examinations.** HL03.05.03

24 **Use practices that promote the prevention of disease and injury.** HL03.05.04

25 **Use appropriate safety practices as related to high-risk behaviors.** HL03.05.05

26 **Evaluate the validity of alternative health practices.** HL03.05.06

27 **Utilize emergency procedures and protocols.** HL03.06.01

28 **Interpret the evacuation plan for the health care setting.** HL03.06.02

29 **Construct an emergency plan for a health care setting in response to a natural disaster or other emergency.** HL03.06.03

30 **Follow the facility procedure when a fire is discovered.** HL03.06.04

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)escribe team member participation. HL04.01.01

individual members as

part of the healthcare team and explain their role in promoting the delivery of quality health care. HL04

2 **Communicate verbally and nonverbally with team colleagues to assure a best result for the client.** HL04.01.02

3 **Collaborate with others to formulate team objectives.** HL04.01.03

4 **Identify responsible actions of team members to complete assigned tasks in a timely and effective manner** HL04.01.04

5 **Recognize the importance of active listening to other team members.** HL04.01.05

6 **Exercise leadership skills as appropriate.** HL04.01.06

7 **Respect and value the expertise and contributions of all team members.** HL04.01.07

8 **Recognize the importance of working collaboratively with persons from diverse backgrounds to accomplish a common goal.** HL04.01.08

9 **Apply corrective action to an acknowledged conflict situation.** HL04.01.09

10 **Exhibit a strong sense of team identity and commitment to purpose.** HL04.01.10

11 **Identify and describe health care teams.** HL04.02.01

12 **Apply the team concept in providing quality patient/client care.** HL04.02.02

13 **Recognize characteristics of effective teams.** HL04.02.03

14 **Analyze roles of various team participants.** HL04.02.04

15 **Formulate appropriate response to critical situations as a team member and/or leader.** HL04.02.05

16 **Recognize the necessity of compromise to ensure the appropriate outcome.** HL04.02.06

17 **Employ communication strategies used in the delivery of quality health care.** HL04.03.01

18 **Identify social media technologies, electronic conferencing, Web pages and e-mail systems to communicate information to team members and colleagues.** HL04.03.02

19 **Develop and implement security requirements for storage and transmission of electronic health records.** HL04.03.03

20 **Train personnel on technologies, written communications and security measures for documenting, retrieval, storage and communication of health records.** HL04.03.04

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Analyze the legal and ethical responsibilities, limitations and implications of actions within the healthcare workplace. HL05

1. **Describe legal implications affecting health care workers.** HL05.01.01
2. **Analyze legal responsibilities, limitations, and implications of actions.** HL05.01.02
3. **Use problem-solving techniques when confronted with legal dilemmas or issues.** HL05.01.03
4. **Compare and contrast behaviors and practices that could result in malpractice, liability, or negligence.** HL05.01.04
5. **Identify and comply with policies and requirements for documentation and record keeping.** HL05.01.05
6. **Identify and comply with established risk management criteria and procedures.** HL05.01.06
7. **Evaluate if an incident is reportable.** HL05.01.07
8. **Identify and comply with non-discriminatory laws.** HL05.01.08
9. **Identify and comply with institutional policy and procedures.** HL05.01.09
10. **Describe legal practices employed by health care workers.** HL05.02.01
11. **Perform duties according to regulations, policies, laws, and legislated rights of clients.** HL05.02.02
12. **Manage clients' rights according to the Patients' Bill of Rights.** HL05.02.03
13. **Manage confidentiality according to Health Information Portability Access Act (HIPAA).** HL05.02.04
14. **Employ practices that adhere to licensure, certification, registration, and legislated scope of practice.** HL05.02.05
15. **Apply the doctrine of informed consent.** HL05.02.06
16. **Evaluate technological threats to confidentiality.** HL05.02.07
17. **Employ mandated standards for workplace safety, i.e., OSHA, CDC, CLIA.** HL05.02.08
18. **Apply mandated standards for harassment, labor, and employment laws.** HL05.02.09

Evaluate accepted ethical practices with respect to cultural, so dif

1. **Describe legal and ethical boundaries in health care delivery.** HL06.01.01
2. **Differentiate between morality and ethics and the relationship of each to health are outcomes.** HL06.01.02

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healthcare workplace. HL06

3 **Differentiate between ethical and legal issues impacting health care.** HL06.01.03

4 **Employ personal, professional, and organizational ethics.** HL06.01.04

5 **Analyze legal and ethical aspects of confidentiality.** HL06.01.05

6 **Discuss bio-ethical issues related to health care.** HL06.01.06

7 **Analyze and evaluate the implications of medical ethics.** HL06.01.07

8 **Describe ethical practice as it applies to health care delivery.** HL06.02.01

9 **Demonstrate professionalism when interacting with fellow students, patients/clients, co-workers, and the organization.** HL06.02.02

10 **Recognize and respect interdisciplinary roles of team members.** HL06.02.03

11 **Report activities and behaviors by self and others that adversely affect the health, safety, or welfare of students, patients/clients, or co-workers.** HL06.02.04

12 **Demonstrate fairness and equal treatment of all persons.** HL06.02.05

13 **Practice responsibly within the ethical framework of the Patients' Bill of Rights.** HL06.02.06

14 **Employ clients' independence and determination in their health care.** HL06.02.07

15 **Explain cultural, social, and ethnic diversity as it applies to health care delivery.** HL06.03.01

16 **Discuss the impact of religions and cultures on those giving and receiving health care with an understanding of past and present events.** HL06.03.02

17 **Demonstrate respect of individual cultural, social, and ethnic diversity within the health care environment.** HL06.03.03