

The Goals of a Liberal Education at St. Thomas University

Statement of Mutual Academic Expectations of Instructors and Students

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Growth and Development

1. The process of growth and development is a continuous and sequential process. It starts from conception and continues throughout the life span.
2. Growth refers to the increase in the size of the body, while development refers to the maturation of the body and the acquisition of new skills and abilities.
3. Growth and development are influenced by a variety of factors, including genetics, environment, and nutrition.
4. The process of growth and development is affected by both internal and external factors. Internal factors include genetics and hormones, while external factors include environment, nutrition, and stress.
5. Growth and development are affected by both physical and psychological factors. Physical factors include nutrition, exercise, and health, while psychological factors include stress, anxiety, and depression.
6. The process of growth and development is affected by both biological and social factors. Biological factors include genetics and hormones, while social factors include culture, family, and society.
7. Growth and development are affected by both individual and environmental factors. Individual factors include genetics and hormones, while environmental factors include environment, nutrition, and stress.
8. The process of growth and development is affected by both physical and psychological factors. Physical factors include nutrition, exercise, and health, while psychological factors include stress, anxiety, and depression.
9. Growth and development are affected by both biological and social factors. Biological factors include genetics and hormones, while social factors include culture, family, and society.
10. Growth and development are affected by both individual and environmental factors. Individual factors include genetics and hormones, while environmental factors include environment, nutrition, and stress.

Leadership

1. Leadership is the process of influencing others to achieve a common goal. It involves setting a vision, inspiring others, and providing direction and support.
2. Leaders are individuals who have the ability to influence others. They are responsible for setting the direction for the organization and for motivating and inspiring others to achieve the organization's goals.
3. Leadership is a process that involves influencing others to achieve a common goal. It is a continuous process that evolves over time and is influenced by a variety of factors, including the leader, the followers, and the situation.
4. Leaders are individuals who have the ability to influence others. They are responsible for setting the direction for the organization and for motivating and inspiring others to achieve the organization's goals.
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Satz 2.1 (Satz von König)

Sei $G = (V, E)$ ein bipartiter Graph mit $|V| = 2n$. Dann existiert ein perfektes Matching $M \subseteq E$ genau dann, wenn für jede Teilmenge $K \subseteq V$ gilt:

$|N(K)| \geq |K|$.

(Hinreichend) Sei $K \subseteq V$ eine beliebige Teilmenge. Dann gilt $|N(K)| \geq |K|$. Wir zeigen, dass es ein perfektes Matching M gibt. Sei M ein maximales Matching. Angenommen, M ist nicht perfekt. Dann existiert ein freier Knoten $x \in V$. Sei $y \in N(x)$. Dann ist $(x, y) \in E$ und $(x, y) \notin M$.

(Notwendig) Sei M ein perfektes Matching. Sei $K \subseteq V$ eine beliebige Teilmenge. Dann gilt $|N(K)| \geq |K|$.

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