

**Term Paper Biology Class XYZ** (semester work)

**Topic:** Applications of Genetic Engineering and Biotechnology. Group work (2-3 students)

**Format:** Written paper, 6-8 pages long.

**Structure/Contents:**

## 1. Preface:

- What is our motivation to work on the topic we chose?
- What is especially interesting?
- What are our questions with respects to the chosen topic?

## 2. Introduction:

- What is the context of the chosen topic? Are there any recent events?
- What is the (recent) scientific history?
- Where and why is the technique used?
- Are there alternative treatments?

## 3. Description of engineering technique:

- Explanation of the applied technique.
- Include simple and clear graphs and figures.

## 4. Documentation and pictures of research institutions visited:

- Interview with researchers and representatives of research institutions
- Photographs of labs or procedures.

## 5. Discussion:

- What progress was made with the application of the chosen technique?
- What future research steps?
- Discussion of ethical aspects:
  - Advantages (pros) – chances (for whom and for what)
  - Disadvantages (contras) – dangers (for whom and for what)

## 6. Summary:

- Short summary of the whole paper

## 7. References:

- Books, brochures, publications
- Links to sources on the internet

**Deadline:** *5 months later*, electronically, mail to [patrick.ruggle@edubs.ch](mailto:patrick.ruggle@edubs.ch)

**Evaluation criteria** (one full grade):

## 1. Contents

- a. completeness
- b. correctness
- c. relevance

## 2. Form:

- a. structure, coherence
- b. meaningful pictures and graphics
- c. own wording

## 3. Timely delivery