

**Guideline for BIO 211 (ONP) Term Paper (15%)**  
**Due Before the Final Exam May 24<sup>th</sup> 11:59 PM**  
**Late submission will lead to “Zero” for your Final Grade**

**Topics (Choose one of the topics below)**

1. 1920 and 2020: Similarities and challenges of Spanish Flu and COVID19 pandemic
2. Role of Artificial Intelligence in COVID-19 Transmission
3. Role of Mutations in Virus: A challenge for Vaccine and Drug Development

**Guidelines:**

Term paper should be typed and spaced 1.5. It should be **5 pages** including one illustration, but the abstract, conclusion and references are not included in the **5-page** limit. It should be organized with a

- Summary or abstract (half page maximum),
- Introduction, (one page)
- Main content or the body of the paper (four pages)
- Conclusion half page
- References (**in addition to the above-mentioned 5 pages**).

In the introduction, you should describe the rationale and the importance of the topics you selected. You should also describe the disease or situation when it is appropriate to use the technology and explain why it is appropriate to use the technology.

In the body of the paper, you should explain the biological basis of why the technology might be effective and you should explain the biological basis of potential problems or limitations of the technology (including but not limited to health risks, and environmental risks). You should also discuss the feasibility and efficacy of the technology. In the body of the paper, you should discuss the legal and ethical issues of using the technology. You should also explain if this would be a technology that you would support or not and provide justification for your answer.

- You should use Times roman **12 font** and **0.75 inch** margins on all sides.
- References should be presented in the American Medical Association (AMA) style (<http://www.medlib.bu.edu/facts/faq2.cfm/content/citationsama.cfm>). **See next page.**
- There should be at least two references of original papers published in peer-reviewed research journals.
- Copy of one such research article must be attached with the paper.

It is important that you make note of sample term paper on the black board.

Electronic copy of the paper is **due before the Final Exam May 24th 2021**. \*\*\*Zero Points will be given at ifnot submitted on time.

**The paper must be written in your own words. You may not directly quote more than 20 words in the entire paper. Plagiarism and copying will not be tolerated. If plagiarism is discovered, then you will automatically receive an “F”.**

# AMERICAN MEDICAL ASSOCIATION (AMA) CITATION STYLE

Rev. 11/1/2012

## General rules from the 10<sup>th</sup> edition

- Items are listed numerically in the order they are cited in the text
- Include up to 6 authors
- For more than six, provide the names of the first three authors and then add et al
- If there is no author, start with the title
- Periodicals (journals, magazines, and newspapers) should have abbreviated titles; to check for the proper abbreviation, search for the Journal Title through [LocatorPlus](#) at the National Library of Medicine website

Citation Type	Example
Journal article – in print – one author	Spencer J. Physician, heal thyself – but not on your own please. <i>Med Educ.</i> 2005; 89: 548-549.
Journal article – in print – 2-6 authors	Salwachter AR, Freischlag JA, Sawyer RG, Sanfey HA. The training needs and priorities of male and female surgeons and their trainees. <i>J Am Coll Surg.</i> 2005; 201: 199-205.
Journal article – in print – more than 6 authors	Fukushima H, Cureoglu S, Schachern P, et al. Cochlear changes in patients with type 1 diabetes mellitus. <i>Otolaryngol Head Neck Surg.</i> 2005; 133: 100-6.
Journal article – online *if there is no DOI, provide the URL for the specific article	Coppinger T, Jeanes YM, Hardwick J, Reeves S. Body mass, frequency of eating and breakfast consumption in 9-13-year-olds. <i>J Hum Nutr Diet.</i> 2012; 25(1): 43-49. doi: <b>10.1111/j.1365-277X.2011.01184.x</b>
Journal article – online from a library database* *there is no specific way to cite articles found in library databases according to the AMA so double check with your professor	Calhoun D, Trimarco T, Meek R, Locasto D. Distinguishing diabetes: Differentiate between type 1 & type 2 DM. <i>JEMS [serial online]</i> . November 2011; 36(11):32-48. <b>Available from: CINAHL Plus with Full Text, Ipswich, MA. Accessed February 2, 2012.</b>
Newspaper article – in print *if the city name is not part of the newspaper name, it may be added to the official name for clarity * if an article jumps from one page to a later page write the page numbers like D1, D5	Wolf W. State’s mail-order drug plan launched. <i>Minneapolis Star Tribune.</i> May 14, 2004:1B.
Newspaper article – online	Pollack A. FDA approves new cystic fibrosis drug. <i>New York Times.</i> January 31, 2012. <a href="http://www.nytimes.com/2012/02/01/business/fda-approves-cystic-fibrosis-drug.html?ref=health">http://www.nytimes.com/2012/02/01/business/fda-approves-cystic-fibrosis-drug.html?ref=health</a> . Accessed February 1, 2012.
Websites	Outbreak notice: Cholera in Haiti. Centers for Disease Control and Prevention Web site. <a href="http://wwwnc.cdc.gov/travel/notices/outbreak-notice/haiti-cholera.htm">http://wwwnc.cdc.gov/travel/notices/outbreak-notice/haiti-cholera.htm</a> Published October 22, 2010. Updated January 9, 2012. Accessed February 1, 2012.
Entire book – in print	Modlin J, Jenkins P. <i>Decision Analysis in Planning for a Polio Outbreak in the United States.</i> San Francisco, CA: Pediatric Academic Societies; 2004.
Book chapter – in print	Solensky R. Drug allergy: desensitization and treatment of reactions to antibiotics and aspirin. In: Lockey P, ed. <i>Allergens and Allergen Immunotherapy.</i> 3 <sup>rd</sup> ed. New York, NY: Marcel Dekker; 2004:585-606.

To find more AMA style citations, go checkout the [AMA Manual of Style: A Guide for Authors and Editors](#). 10<sup>th</sup> ed. Oxford: Oxford UP.

# AMERICAN MEDICAL ASSOCIATION (AMA) CITATION STYLE

Rev. 11/1/2012

## Citing sources within your paper

Unlike APA or MLA, you will not use the author's last name for the in-text citations. Instead, you will number each instance when you are referencing an article. The order of numbering will be contingent on the order in which you use that reference within your paper. In the example below, the first article referenced is given the number one in superscript. In the References section, you will find the matching article listed as number 1.

<b>Example Article</b>  1. Zoellner J, Krzeski E, Harden S, Cook E, Allen K, Estabrooks PA. Qualitative application of the theory of planned behavior to understand beverage consumption behaviors among adults. <i>J Acad Nutr Diet</i> . 2012;112(11):1774-1784. doi: 10.1016/j.jand.2012.06.368.	
<b>In-Text Citation Example</b>	<p><b>L</b>ARGE INCREASES IN AMERICANS' CONSUMPTION OF sugar-sweetened beverages (SSB) have been a topic of concern. Between 1977 and 2002, the intake of "caloric" beverages doubled in the United States, with most recent data showing that children and adults in the United States consume about 172 and 175 kcal daily, respectively, from SSB.<sup>1</sup> It is estimated that SSB account for about 10% of total energy intake in adults.<sup>2,3</sup> High intake of SSB has</p>
<b>References Section Example</b>	<p><b>References</b></p> <ol style="list-style-type: none"><li>1. Duffey KJ, Popkin BM. Shifts in patterns and consumption of beverages between 1965 and 2002. <i>Obesity</i>. 2007;15(11):2739-2747.</li><li>2. Nielsen SJ, Popkin BM. Changes in beverage intake between 1977 and 2001. <i>Am J Prev Med</i>. 2004;27(3):205-210.</li><li>3. Drewnowski A, Bellisle F. Liquid calories, sugar, and body weight. <i>Am J Clin Nutr</i>. 2007;85(3):651-661.</li></ol>

Use commas to separate multiple citation numbers in text, like you see between references 2 and 3. Unpublished works and personal communications should be cited in the text (and not on the reference list).<sup>1</sup> Superscript numbers are placed outside periods and commas, and inside colons and semicolons. When citing the same source more than once, give the number of the original reference, then include the page number (in parentheses) where the information was found. See pages 41-44 of the *AMA Manual of Style* for more information.

## References

Citing AMA guide website. <http://libguides.stkate.edu/content.php?pid=99799&sid=749106>. Updated April 2011. Accessed October 24, 2012.

To find more AMA style citations, go checkout the [AMA Manual of Style: A Guide for Authors and Editors](#). 10<sup>th</sup> ed. Oxford: Oxford UP.